

## **Historic, archived document**

Do not assume content reflects current scientific knowledge, policies, or practices.



1  
E. 6Ab

U. S. DEPARTMENT OF AGRICULTURE

---

REPORT ON  
COOPERATIVE EXTENSION WORK IN  
AGRICULTURE AND HOME  
ECONOMICS, 1920



WASHINGTON  
GOVERNMENT PRINTING OFFICE  
1922

LETTER OF TRANSMITTAL.

U. S. DEPARTMENT OF AGRICULTURE,  
STATES RELATIONS SERVICE,  
*Washington, D. C., August 15, 1921.*

SIR: I have the honor to transmit herewith a report on cooperative extension work in agriculture and home economics in the United States for 1920, and on the work of the Department of Agriculture in relation thereto, in accordance with a provision in the act of Congress of March 4, 1915, entitled "An act making appropriations for the Department of Agriculture for the fiscal year ending June thirtieth, nineteen hundred and sixteen." (38 Stat. L., p. 1110.)

Very respectfully,

A. C. TRUE, *Director.*

Hon. HENRY C. WALLACE,  
*Secretary of Agriculture.*

CONTENTS.

	Page.
Organization.....	1
Funds.....	1
Results.....	2
Crop production.....	2
Animal production.....	6
Rodent pests.....	7
Drainage.....	7
Cooperative buying and selling.....	7
Farm accounts.....	7
The farm home.....	8
Work with Negroes.....	9
Farmers' institutes.....	11
Summary.....	12
Statistics.....	20

# DEPARTMENT OFFICIALS IN CHARGE OF EXTENSION WORK.

## STATES RELATIONS SERVICE.

A. C. TRUE, Director.

### OFFICE OF EXTENSION WORK IN THE SOUTH.

J. A. EVANS Chief.

#### States.

Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.

### OFFICE OF EXTENSION WORK IN THE NORTH AND WEST.

C. B. SMITH, Chief.

#### States.

Arizona, California, Colorado, Connecticut, Delaware, Idaho, Illinois, Indiana, Iowa, Kansas, Maine, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Dakota, Ohio, Oregon, Pennsylvania, Rhode Island, South Dakota, Utah, Vermont, Washington, Wisconsin, and Wyoming.

## STATE OFFICIALS IN CHARGE OF EXTENSION WORK.

ALABAMA.—L. N. Duncan, Alabama Polytechnic Institute, Auburn.

ARIZONA.—W. M. Cook, College of Agriculture, University of Arizona, Tucson.

ARKANSAS.—M. T. Payne, 310 Donaghey Building, Little Rock.

CALIFORNIA.—B. H. Crocheron, College of Agriculture, University of California, Berkeley.

COLORADO.—Roud McCann, State Agricultural College of Colorado, Fort Collins.

CONNECTICUT.—H. J. Baker, Connecticut Agricultural College, Storrs.

DELAWARE.—C. A. McCue, University of Delaware, Newark.

FLORIDA.—Wilmon Newell, Agricultural Extension Service, Experiment Station, Gainesville.

GEORGIA.—J. Phil Campbell, Georgia State College of Agriculture, Athens.

IDAHO.—L. W. Fluharty, the State House, Boise.

ILLINOIS.—Eugene Davenport, director; W. F. Handschin, vice director, College of Agriculture, University of Illinois, Urbana.

INDIANA.—G. I. Christie, Purdue University, La Fayette.

IOWA.—R. K. Bliss, Iowa State College of Agriculture and Mechanic Arts, Ames.

KANSAS.—H. J. C. Umberger, Kansas State Agricultural College, Manhattan.

KENTUCKY.—T. P. Cooper, College of Agriculture, University of Kentucky, Lexington.

LOUISIANA.—W. R. Perkins, Louisiana State University and Agricultural and Mechanical College, University Station, Baton Rouge.

MAINE.—L. S. Merrill, College of Agriculture, University of Maine, Orono.

MARYLAND.—T. B. Symons, University of Maryland, College Park.

MASSACHUSETTS.—J. D. Willard, Massachusetts Agricultural College, Amherst.

MICHIGAN.—R. J. Baldwin, Michigan Agricultural College, East Lansing.

MINNESOTA.—F. W. Peck, Department of Agriculture of the University of Minnesota, University Farm, St. Paul.

MISSISSIPPI.—R. S. Wilson, Mississippi Agricultural and Mechanical College, Agricultural College.

MISSOURI.—A. J. Meyer, College of Agriculture, University of Missouri, Columbia.

MONTANA.—F. S. Cooley, Montana State College of Agriculture and Mechanic Arts, Bozeman.

NEBRASKA.—W. H. Brokaw, College of Agriculture, Lincoln.

NEVADA.—C. W. Creel, College of Agriculture, University of Nevada, Reno.

NEW HAMPSHIRE.—J. C. Kendall, New Hampshire College of Agriculture and the Mechanic Arts, Durham.

NEW JERSEY.—L. A. Clinton, College of Agriculture and Mechanic Arts of Rutgers College and the State University of New Jersey, New Brunswick.

NEW MEXICO.—C. F. Monroe, New Mexico College of Agriculture and Mechanic Arts, State College.

NEW YORK.—A. R. Mann, director; M. C. Burritt, vice director, New York State College of Agriculture, Ithaca.



NORTH CAROLINA.—B. W. Kilgore, North Carolina State College of Agriculture and Engineering, State College Station, Raleigh.

NORTH DAKOTA.—G. W. Randlett, North Dakota Agricultural College, Agricultural College.

OHIO.—H. C. Ramsower, College of Agriculture, Ohio State University, Columbus.

OKLAHOMA.—W. A. Conner, Oklahoma Agricultural and Mechanical College, Stillwater.

OREGON.—P. V. Maris, Oregon Agricultural College, Corvallis.

PENNSYLVANIA.—M. S. McDowell, Pennsylvania College, State College.

RHODE ISLAND.—A. E. Stene, Rhode Island State College, Kingston.

SOUTH CAROLINA.—W. W. Long, Clemson Agricultural College of South Carolina, Clemson College.

SOUTH DAKOTA.—W. F. Kumlien,<sup>1</sup> South Dakota State College of Agriculture and Mechanic Arts, Brookings.

TENNESSEE.—C. A. Keffer, College of Agriculture, University of Tennessee, Knoxville.

TEXAS.—T. O. Walton, Agricultural and Mechanical College of Texas, College Station.

UTAH.—R. J. Evans, Agricultural College of Utah, Logan.

VERMONT.—Thomas Bradlee, University of Vermont and State Agricultural College, Burlington.

VIRGINIA.—J. R. Hutcheson, Virginia Polytechnic Institute, Blacksburg.

WASHINGTON.—S. B. Nelson, State College of Washington, Pullman.

WEST VIRGINIA.—N. T. Frame, College of Agriculture, West Virginia University, Morgantown.

WISCONSIN.—H. L. Russell, director; K. L. Hatch, assistant director, College of Agriculture, University of Wisconsin, Madison.

WYOMING.—A. E. Bowman, College of Agriculture, University of Wyoming, Laramie.

### OFFICIALS IN CHARGE OF FARMERS' INSTITUTES.<sup>2</sup>

ALABAMA.—C. A. Cary, Polytechnic Institute, Auburn.

DELAWARE.—A. B. Peet, secretary State board of agriculture, Dover.

ILLINOIS.—H. E. Young, secretary Illinois farmers' institutes, Springfield.

IOWA.—A. R. Corey, secretary Iowa State department of agriculture, Des Moines.

KENTUCKY.—W. C. Hanna, commissioner of agriculture, Frankfort.

MAINE.—F. P. Washburn, commissioner of agriculture, Augusta.

MASSACHUSETTS.—J. W. Flaisted, director division of information, department of agriculture, Boston.

MISSOURI.—Jewell Mayes, secretary State board of agriculture, Jefferson City.

NEW HAMPSHIRE.—Andrew L. Felker, commissioner of agriculture, Concord.

NEW JERSEY.—Wm. H. Hamilton, assistant director of farmers' institutes, Trenton.

NORTH DAKOTA.—R. G. Catron, superintendent of farmers' institutes, Bismarck.

RHODE ISLAND.—John J. Dunn, secretary State board of agriculture, Providence.

TEXAS.—J. W. Neill, director of farmers' institutes, Austin.

VERMONT.—E. S. Brigham, commissioner of agriculture, Montpelier.

<sup>1</sup> Acting director.

<sup>2</sup> In the States not included in this list the farmers' institutes were in charge of the extension services of the agricultural colleges.

## COOPERATIVE EXTENSION WORK, 1920.

---

This is the sixth report on cooperative extension work in agriculture and home economics organized under the act of Congress of May 8, 1914 (Smith-Lever Act) and similar work conducted under cooperative agreements between the United States Department of Agriculture, State agricultural colleges, and local organizations. In this report a special effort has been made to measure the results of cooperative extension work in terms of definite lines of improved production and efficiency on the farm and in the home. Attention is also called to the relation of this improved production and efficiency to increasing the farm income and assisting the farm family to secure the greatest satisfaction out of farm life with the resources available.

### ORGANIZATION.

The cooperative extension work in 1920, as in previous years, was carried on under the joint supervision of the United States Department of Agriculture and the State agricultural colleges cooperating with local organizations within the counties. The work was administered for the department as heretofore through the States Relations Service, in which the two offices having immediate charge of the work were the Office of Extension Work in the South, representing 15 Southern States, and the Office of Extension Work in the North and West, representing 33 Northern and Western States. There were engaged in extension work in the United States on June 30, 1920, 2,359 in county agent work, 1,039 in home demonstration, and 442 club work agents working exclusively with boys and girls, together with specialists and others, totaling 5,630 extension workers in all.

### FUNDS.

The total amount used for cooperative extension work in the United States in 1920 was \$14,658,000, of which the Federal Government contributed \$4,464,000 under the provisions of the Smith-Lever Act. In addition Congress, by direct appropriation to the Department of Agriculture, made available \$1,021,000 for farmers' cooperative demonstration work and \$406,000 for extension work by the several bureaus of the department, cooperating with the States Relations Service, making a total from Federal sources of \$5,891,000. The remaining \$8,767,000 was derived from sources within the States, including \$3,406,000 appropriated by the State legislatures, \$3,960,000

provided by the different counties, \$470,000 allotted to the extension work by the State colleges of agriculture, and \$930,000 from other sources, mostly local.

Over one-half of the total funds available, or \$7,665,000, was spent for county agricultural agent work, \$2,180,000 for home demonstration work, \$885,000 for club work, \$995,000 for administration, and \$308,000 for publications. In addition to these items, \$2,400,000 was spent for the salaries and expenses of subject-matter specialists, as follows: For live-stock improvement, \$740,000; for crop improvement, \$600,000; for agricultural engineering, \$125,000; for farm management work, \$115,000; for marketing, \$180,000; and for home economics, \$330,000.

## RESULTS.

### CROP PRODUCTION.

*Corn.*—Extension work in crop production was one of the fundamental lines of work undertaken in 1920 as in previous years. Substantial results were obtained with cereal crops in influencing the practices of a large number of farmers and materially increasing their production. It is reported, for example, that 400,000 farmers, or 8 per cent of those growing corn, were influenced to improve in some measure the methods used in the production of the corn crop. Of this number 10,000 were enrolled as accredited demonstrators, producing corn on 200,000 acres with an average yield from 20 to 40 per cent above the yields on land of equal quality in their neighborhood. This improved production resulted from the careful selection and testing of seed corn and adoption of improved cultural methods advocated by extension workers. In demonstrations where improved seed was used, the average increase per acre reported was 5 bushels. In demonstrations where the seed was tested for germination the average increase reported was 10 bushels. Some idea of the extent of this work with corn may be gained from the fact that in 1920 150,000 farmers selected from the field in the fall over 1,000,000 bushels of seed corn, and that 2,500,000 acres were planted with seed corn selected by this method. Testing seed corn for germination was practiced by 67,000 farmers, who reported testing 300,000 bushels, which was used in planting 1,750,000 acres. Further, through the influence of this work 2,900 farmers offered for sale 162,000 bushels of improved seed corn, adding materially to their own income and making a large amount of reliable seed available to other corn growers.

Supplementing the work with adult farmers, extension agents enrolled 29,000 boys in corn clubs, 8,200 of whom reported an average yield of from 40 to 50 bushels per acre. Aside from the convincing demonstration each one of these 8,000 acres of corn afforded, the club



members themselves were trained in better farm practice and were encouraged to look forward to better farming as a promising means of livelihood. In estimating the results of club work, not only the crops that are grown but the fact that club members soon become farmers and farmers' wives must be taken into account. From the best information that is available, it appears that 70 to 80 per cent of the children of farmers follow the profession of their parents, and that at least 260,000 persons each year became farm operators for the first time.

*Wheat.*—What was true of results obtained from extension work with corn in 1920 was equally true of the work with wheat. Over 130,000 farmers were reported as having changed their methods of wheat production for the better as a result of extension activities. Reports indicate that 3,400 farmers cooperated with county agricultural agents in conducting field demonstrations in wheat growing, increasing their yields from 20 to 40 per cent. Demonstrations in the treatment of seed wheat for smut prevention resulted in an increase of 3 to 6 bushels per acre in the yields of farmers who practiced the treatment. Forty thousand farmers are reported as having treated 2,500,000 bushels of seed wheat in this manner, and used it in planting 2,000,000 acres. Seventeen thousand farmers were influenced to purchase high-yielding seed wheat and 10,000 were encouraged to offer 1,200,000 bushels for sale.

In the wheat-producing areas campaigns were instituted to clear the land of grasshoppers and other insect pests. Seventy-five thousand farmers cooperating in freeing 3,400,000 acres of these pests. The farmers estimated a saving of one to two bushels per acre for the year as a result of this work.

*Oats.*—In producing oats, extension agents stressed the treatment of oats for smut prevention and the distribution of seed from high-yielding strains, and influenced over 95,000 farmers to modify to their advantage their methods of growing oats. The farmers cooperating with the county agents obtained an increase of 20 to 40 per cent as the result of following their advice. Where the seed was treated for smut the increase in yield amounted to from 3 to 6 bushels. Through the agents' influence 40,000 farmers treated 1,250,000 bushels of oats for smut which was used in planting over 600,000 acres. Four thousand farmers were also influenced to buy 200,000 bushels of improved seed and 1,600 farmers also offered 325,000 bushels of high-yielding strains of seed oats for sale.

Comparable results were obtained in work with barley and rye, and extension agents aided in the introduction and successful growing of a number of field crops, such as sunflowers, kafir, sorghum, and feterita not hitherto locally grown.

*Cotton.*—One of the most illuminating pieces of extension work from the standpoint of increased crop production and its influence on the life of the farmer and his family is that with cotton. In 1920, 7,700 farmers and 5,600 boy club members agreed to cooperate with the extension agents in growing cotton on their own farms according to methods advocated by the agents. At the end of the year, 4,200 farmers reported that they grew 125,000 acres of cotton and obtained an average yield of 1,000 pounds of seed cotton per acre. One thousand boys obtained an average yield of 1,250 pounds of seed cotton from their acre. Other farm cooperators, 24,000 in number, also became interested in improved methods of growing cotton, with the result that they adopted one or more of the practices advocated by the agents on 340,000 acres of cotton and obtained an average yield of 720 pounds per acre. The average yield for 1920 for the country as a whole was slightly over 500 pounds. By following the agents' advice in full the farmers obtained an increase of 80 per cent in yield, while those who followed it in part received a 40 per cent increase.

Extension workers induced 10,000 farmers to select seed from the best plants in their field as seed stock for the next year and 8,000 farmers planted pure or selected seed on 300,000 acres. During the year through extension influences 54,000 farmers adopted better methods of growing cotton. Through demonstration meetings, publications, items in the local newspapers, and otherwise, 125,000 farmers changed to a certain extent their method of growing cotton. One hundred and seventy thousand acres were also treated for diseases and insect pests. In other words, in 1920 nearly 10 per cent of the farmers growing cotton were influenced to follow practices advocated by the extension agents.

In addition to influencing the improvement of methods used in cotton production, extension agents, as a result of work in previous years, were in a position to bring about a better and more balanced system of farming in the cotton-growing region and to encourage the growing of more food for the farm family and feed for live stock where a one-crop system of farming had largely prevailed.

Extension agents also helped cotton growers materially through the organization of associations for the marketing of cotton to better advantage. These associations employed experts to advise the farmer as to the proper classification of his cotton, and gave him reliable information as to the prevailing prices. This service has brought forcibly to the farmer's attention the fact that to secure the best returns from his cotton he should plant a high-yielding strain of the variety best adapted to his community. It has made him realize the advantage to be gained in marketing cotton through the growing by the large majority of growers in a community of a



standard variety of high producing cotton, making the output readily standardized and salable.

*Hay and forage.*—In connection with growing hay and forage, extension agents induced farmers to grow as a part of their rotation such legumes as alfalfa, sweet clover, red clover, soy beans, velvet beans, cowpeas, and peanuts. These crops were grown in order to produce more feed and a better and more varied ration for live stock, and to increase soil fertility and subsequent crop production.

Extension agents conducted 18,000 demonstrations relating to the various kinds of legumes during 1920, as a result of which over 235,000 farmers either planted legumes for the first time or changed their method of growing. Of these farmers 21,500 grew alfalfa, 33,000 peanuts, and 15,000 crimson clover.

In 1920, in order to improve the quality of the soil, over 260,000 acres of these legumes were turned under as a result of extension influence. County agricultural agents also encouraged 290,000 farmers to use commercial fertilizers to maintain and build up the fertility of their soils, and advised them as to the most economical and effective methods of application. The application of lime was urged, 35,000 farmers using 680,000 tons of lime in 1920. In addition county agents helped to develop 1,200 local sources of limestone.

*Potatoes.*—The average yield of potatoes in the United States is unnecessarily low because of the use of poor seed and because of losses from diseases and insects in those sections where climatic conditions are not favorable for standard crops. During 1920, extension agents emphasized the value of good seed, its proper treatment before planting, and prevention of losses from insect and other enemies while growing, with the result that on demonstration plats, where the potatoes were treated prior to their planting, the farmer obtained an increase in yield of from 25 to 75 bushels, and through the spraying a loss of from 30 to 40 per cent of the crop was prevented. Boys' club members on their demonstration acres obtained an increase in yield of nearly 100 per cent over that obtained under the general practice in the communities where they resided. Through the influence of these demonstrations 30,000 farmers sprayed 90,000 acres of potatoes for diseases and 40,000 farmers treated the seed used in planting 155,000 acres. Also, 2,600 farmers were influenced to offer for sale 750,000 bushels of improved seed potatoes, and 12,000 farmers purchased 300,000 bushels of improved seed.

*Orchards.*—Returns from orchards in 1920 were materially increased through teaching farmers proper methods of pruning and spraying. Altogether 29,000 farmers were influenced to prune 3,500,000 fruit trees, and 30,000 farmers to spray 4,200,000 trees. Agents aided 24,000 farmers in starting home orchards.

### ANIMAL PRODUCTION.

The improvement of live-stock production was an important feature of the extension program for 1920. Much was done to induce farmers to increase the amount of live stock raised and to make it a profitable and indispensable part of their business.

*Better sires.*—The introduction of better stock, particularly of pure-bred sires of all kinds of animals, was the keynote of extension work with live stock during the year. As a result, 3,250 farmers enrolled in the "Better sires—better live stock" campaign 64,000 head of cattle, 55,000 head of sheep, 30,000 head of swine, and 6,700 head of horses. Extension agents also influenced farmers to secure 6,200 pure-bred dairy bulls, 40,000 pure-bred dairy cows, 6,000 registered beef bulls, 11,200 registered beef cows, 4,000 pure-bred rams, and 13,000 boars.

Cooperative bull associations were also organized. At the beginning of the year there were 78 of these associations, with a membership of 3,000 farmers owning 371 pure-bred bulls and 2,000 pure-bred cows, in addition to 16,000 other cows. At the end of the year the number of associations had increased to 123, the membership to 4,150, and the number of animals to 575 bulls, 4,300 pure-bred cows, and 23,000 other cows. In addition, extension agents aided in organizing at least 150 local dairy breeders' associations.

Boys' and girls' clubs played an active part in the live-stock improvement program. There were 8,300 boys and girls enrolled in clubs dealing with dairy cattle in 1920; 5,400 in clubs raising beef; and 57,000 in clubs growing swine. Since the boys as a rule use only pure-bred stock, the significance of this movement in introducing better live stock into the communities where the boys reside and in which they are to be the future farmers can be realized.

*Cow-testing associations.*—In dealing with dairy production, the organization of farmers into cow-testing associations to secure a more profitable output continued to prove most effective. The popularity and effectiveness of this form of extension activity is better realized in the light of reports for 1920. At the beginning of the year there were 385 active cow-testing associations, with a membership of 10,000 farmers owning 170,000 cows. At the end of the year there were 468 active associations, with a membership of 12,000 farmers and 205,000 cows.

*Disease control.*—An important piece of work relating to live stock was that of helping the farmers to control various live-stock diseases. At the suggestion of county agents 4,000,000 animals were treated for various diseases and pests by veterinarians and others licensed to administer treatment. The animals treated included 1,100,000



hogs for cholera prevention and 610,000 cattle for blackleg, while 270,000 cows were tested for tuberculosis.

*Poultry.*—Poultry production has always been an important factor in furnishing food for the farm family and in supplementing the family income. It has also proven a fertile field of activity for extension work. During 1920, 200,000 farmers and members of farm families put into effect better poultry practices under the direction of extension agents, growing over 6,000,000 chickens and producing 10,000,000 dozen eggs by methods demonstrated to them. Many poultry-culling demonstrations were conducted during the year, in connection with which it was found that about 40 per cent of the culled fowls were eliminated as being nonproducers, with an average saving of about \$1.25 per fowl.

#### RODENT PESTS.

In the Rocky Mountain States and those bordering on them the farmers suffer large losses because of the destruction of crops by certain rodent pests. In 1920, 80,000 farmers joined in an organized effort to control various rodents, with the result that 16,000,000 acres of farm land were cleared of these pests and over 2,000,000 pounds of poison bait were used. The average saving to the farmers was estimated at \$1 to \$2 per acre, amounting in dollars and cents to more than the total annual cost of conducting all phases of cooperative extension work in the United States.

#### DRAINAGE.

As a result of extension work, 3,500 drainage systems were established, 870,000 acres of farm land were drained, and 18,000 farmers terraced 315,000 acres of farm land. Agents helped to plan 415 irrigation systems with 1,365,000 acres involved.

#### COOPERATIVE BUYING AND SELLING.

Aiding farmers in organizing various associations for buying farm supplies or selling their surplus products was a popular phase of extension work in 1920. Through extension influences 2,500 associations with a membership of 200,000 were organized during 1920, transacting a business aggregating \$100,000,000 with a saving of approximately \$9,500,000 for the year.

#### FARM ACCOUNTS.

The keeping of farm accounts was encouraged, and during the year over 50,000 farm account books were distributed to farmers, of whom about 40 per cent kept their accounts complete throughout the year. About 15 per cent were assisted in summarizing and

interpreting these accounts. Guided by these records and the other extension influences, 35,000 farmers made changes in their entire systems of farming in accordance with recommendations of the extension workers. The extension agents aided in supplying 105,000 farm laborers, mainly during the harvesting season. The agents also supplied 10,000 farmers with plans for remodeling or constructing new farm buildings.

#### THE FARM HOME.

Through demonstrations, extension workers rendered signal service to farm women in 1920 in meeting the problems of feeding, clothing, and caring for the family.

*Vegetables and fruit.*—The growing of a variety of vegetables in the farm garden for use in the family diet was encouraged in every possible way. On those farms where there was no garden, or a very inadequate one, the work was developed by taking up some of the simpler phases of gardening, such as the raising and canning of tomatoes, gradually expanding production to include all the different vegetables which may be provided by a garden. Following this the introduction of small and orchard fruits was developed in order to provide another element in the diet, and to provide material for making various types of jellies and preserves. On those farms where the gardens were adequate the agents taught the farm family how to use the available material in such a way that the diet would be more evenly balanced and attractive. One result of this work was that farmers' wives and children canned 18,000,000 containers of fruits and vegetables, dried nearly 1,100,000 pounds, and brined 3,800,000 pounds. Canning apparently appealed strongly, since 275,000 farm women were reported to have carried on canning work under the guidance of the extension agents, representing between 4 and 5 per cent of the farm homes in the United States, while boys' and girls' club members planted 175,000 gardens.

*Meats.*—Extension workers were influential in helping farmers and farm women to cure and preserve meat in order that it might be available when fresh meats were out of season. In 1920, 10,000,000 pounds of meat were smoked, 2,300,000 pounds of sausage were made, 3,000,000 pounds of lard were rendered, and 600,000 pounds of poultry and other meats were canned.

*Milk products.*—About one-half the milk produced on the farm is used there as raw milk or in the production of farm butter. During 1920 special efforts were made to show the value of milk in the diet, especially for children.

As a result of extension influence 4,000 schools served hot school lunches to over 100,000 children, and milk in some form as a general rule was made a part of the noonday lunch. Altogether there were

made under extension instructions 650,000 pounds of butter, of which 275,000 pounds were sold, averaging 13 cents more a pound than the price received from ordinary country butter.

*Diet.*—In teaching farm women how to use the available food supplies to better advantage, 35,000 farm families changed their food habits and 6,500 mothers improved the methods of feeding and caring for their children.

*Clothing.*—On account of the high prices of cloth and clothing during 1920, farm women have been very much interested in remodeling clothing already on hand or in receiving instructions as to how to purchase serviceable goods and make up new clothes in an attractive manner. As a result of extension work along this line, 40,000 new garments were made, 25,000 remodeled, and 9,000 women made dress forms from plans developed in the extension service. In addition, 7,500 hats were made and 7,000 remodeled. Over 250,000 articles of clothing were made with a saving to the farm women of \$350,000.

*Household management.*—Extension work not only aids the farm woman in selecting foods and clothing, but also helps her to reorganize or equip her home so that she can conduct her work with the least expenditure of energy, and in surroundings that will contribute to greater happiness and healthfulness. During 1920 an increasing demand was made on the time of extension agents for assistance in planning improvements of the home and its surroundings. As a result 6,400 homes were built or remodeled on plans secured through extension agents, and 12,000 kitchens were rearranged for greater convenience under their direction. There were installed through extension influence 6,000 water systems, 3,000 washing machines, 5,000 pressure cookers, and 12,000 new lighting systems, while screens were put in over 70,000 homes. Septic tanks or other systems for the proper disposal of sewage were installed in 900 homes.

The improvement of the surroundings of the home by the planting of shrubbery or the reorganization of the farmstead was encouraged, with the result that 33,000 farm families made efforts toward home beautification.

#### WORK WITH NEGROES.

There are in the United States between 900,000 and 1,000,000 Negro farm operators occupying 50,000,000 acres of land, of which 30,000,000 are improved. Of this number one-quarter are owners and three-quarters are tenants. During 1920 there were approximately 225 Negro men extension agents working among the farmers of their own race, and in addition, white agents in many sections carried on extension work among Negroes in their territory. In that year 5,000 Negroes carried on demonstration work with corn on 31,000 acres. Their yields were approximately twice those obtained on ad-



joining farms. Over 1,900 Negroes cooperated with the extension agents in conducting cotton demonstrations. In addition, 15,500 cooperated in putting extension methods in practice, altogether cultivating 52,000 acres of cotton on which an average of 500 more pounds per acre was obtained than by their neighbors on farms with the same kinds of soils. In growing 75,000 acres of such small grains as wheat, oats, barley, rye, and sorghum, 2,800 Negroes cooperated with extension forces. Similarly, 4,600 orchards containing 225,000 trees were cared for properly and 600 new orchards were established.

In encouraging live-stock production among Negro farm operators, pure-bred stock was purchased upon the recommendation of extension workers, as follows: 377 horses, 1,700 dairy cattle, 150 beef cattle, 2,900 swine, and 700 sheep. In line with improving live-stock production, Negro farmers were induced to have 200,000 head of cattle treated for disease and pest prevention.

Extension activities among Negroes were not limited to the improvement of crop and live-stock production, as was indicated by the very definite response to the efforts of extension workers to assist in the improvement of living conditions and the provision of a better diet for the Negro family. Encouraged by extension influences they are reported to have built 4,500 new houses, altered and improved 11,500 already standing, and installed 140 lighting systems, 120 water systems, and 7,000 telephones. Their family food supply was augmented by establishing or improving 100,000 home gardens. They also purchased 32,000 pieces of improved machinery as the result of the agents' advice. In numerous other ways the Negro farmers cooperated with the extension forces with the result that approximately 270,000 were influenced directly or indirectly to put into effect some improved farm practices advocated by the extension service.

Negro boys, 15,000 in number, were enrolled in Negro farm clubs, of whom 5,000 reported at the end of the year that the total value of their products was over \$400,000. These clubs produced 115,000 bushels of corn, 10,000 bushels of beans, 20,000 bushels of potatoes, and 600,000 pounds of seed cotton, and handled 4,000 hogs and 16,000 fowls. The estimated value of the work done with Negro boys aggregates \$625,000.

In home demonstration work, 70 Negro women agents worked among the women and children of their own race during 1920, organizing 1,600 clubs with a membership of 46,000. As a result of their work 20,000 gardens were improved, 1,600 orchards and vineyards established, and 10,000 women and children were enrolled in poultry clubs. These poultry club members established 1,150 pure-bred flocks, raised 130,000 chickens, and built 300 poultry houses. Negro women were assisted in improving the sanitary conditions about



the home and were given instructions in proper methods of caring for the sick and for children. Through the extension influence they brined 40,000 gallons of vegetables, dried 175,000 pounds of fruit, cured 330,000 pounds of meat, and rendered 115,000 pounds of lard. The total value of this and other kinds of food preserved amounted to over \$400,000. Extension agents also encouraged 173,000 families to beautify their home surroundings as well as to better their living conditions.

#### FARMERS' INSTITUTES.

During the year ended June 30, 1920, farmers' institutes were officially in charge of the State government in 15 States, while in the remaining 33 States they were in charge of the extension service of the agricultural colleges. A total of 34 States conducted farmers' institutes during the year.

That farming people are taking an increased interest in the farmers' institute, largely because it offers the only systematic extension means of hearing directly from actual farmers who have made good, is shown by the fact that there were over three times the number of sessions held this year as were held during the previous year, also nearly twice the number of people were in attendance, and an increase of 50 per cent in the amount of funds expended for this work.

The great increase in the number of sessions and in the attendance occurred in those States where the farmers' institute is in charge of the extension service of the agricultural college. In many of these States farmers' institutes are regarded as absolutely indispensable and of equal value with other features of extension work. The farmers themselves demand the farmers' institute because no other extension feature fulfills its place and this demand is greater since county agent work was inaugurated. Farmers' institutes occur during the slack season when there is time and leisure and farming people can get together for social intercourse, compare and discuss their own experiences, methods, and practices, listen to actual farmers as well as specialists, discuss the subjects among themselves, and interchange ideas. It opens up new fields and ideas and new thoughts on which they need and will seek information through the county agent. It keeps them more in touch with the broader outlook on farm matters, progress, and discoveries; enables them to discuss last season's demonstration work and lay plans for future demonstrations; gives them time to think over advice and the results of the demonstrations and put them into practice the next season; broadens their horizon, gives them inspiration, and arouses enthusiasm which they can get in no other way; and this is as important to the farmer as to the business or professional man.

Broadly speaking, the farmers' institute is to-day a part and parcel of the great extension service, and where managed by the agricul-

tural college, the county agent and the farm bureau are the prime factors in its organization and conduct; the subjects to be discussed, the location and approximate dates, and to a large extent the persons to lead in the discussions and give the lectures and demonstrations are in their hands. In the few States where the farmers' institutes are still managed as a State activity, the most cordial and complete cooperation exists between the officially directing body and the college. In some States the farmers' institutes operate under a special State appropriation for the purpose and in one State a special and independent State department exists for the sole purpose of conducting farmers' institutes.

A compilation of data from the reports from 33 States which held farmers' institutes during the year shows that 10,145 farmers' institutes lasting in the aggregate 10,731 days, and comprising 32,010 sessions with an attendance of 2,323,674 persons were held in the United States in 1920. There were employed in this work 1,407 lecturers, at a cost of \$304,382.65 divided between State appropriations of \$254,662.53 and funds from other sources amounting to \$49,720.12.

More detailed data respecting the farmers' institutes will be found in the tables on page 20.

#### SUMMARY.

Summarizing the results of the cooperative extension work in 1920, extension workers came in contact with and assisted in the improvement of farm and farm home practices 1,200,000 farmers, 400,000 farm women, and 445,000 farm boys and girls. This work was accomplished at a cost of 75 cents for every \$1,000 of gross return from agricultural production, or considerably less than the increased return to the farmers of the United States in 1920, as a result of the work done in connection with either rodent pest control, improved corn production, or marketing alone.

The three following tables summarize some of the outstanding results of extension work in 1920, and also contain data from the census of 1920 which it is thought may serve to indicate the extent to which the extension work is influencing farm and home practices on the 6,450,000 farms of the United States.

Table I relates to those extension activities which affect the farm as a whole, and compares the number of people reached and the results accomplished by these activities, with the total number and products of farmers in the United States whose practice it is the ultimate object of the extension work to improve. For example, the table shows that in the case of wheat the extension work reached and improved the methods on 130,000 farms in 1920, or about 6 per cent of those engaged in the production of this crop.

Table II deals with those extension activities which especially affect the farm home, such as poultry raising, gardening, and food

conservation, which particularly concern the food supply of the farm family, as well as clothing and home equipment. The table shows, for example, that there were in the United States in 1920, 5,000,000 home gardens contributing to the family food supply and that through the extension work 550,000 gardens were established or improved, thus materially increasing and improving the farm home food supplies, and income. Moreover, as a result of extension work there were put up 18,000,000 containers of canned fruits and vegetables, 3,800,000 pounds of brined fruits and vegetables, and 1,100,000 pounds of dried fruits and vegetables.

Table III relates to boys' and girls' club work, showing the number of club members enrolled, those completing their work satisfactorily at the end of the year, the results in quantity and financial value of their work, and indicating what was accomplished in boys' and girls' club work as compared with production along similar lines in the country as a whole. As the table shows, the 205,000 club boys and girls reporting the results of their work in 1920 produced products worth \$5,600,000. In addition to these there were 240,700 club members enrolled that year who did not report the results of their work, but whose products would no doubt considerably increase the total.

When we realize that of the 8,000,000 farm boys and girls 10 to 21 years of age, 70 to 80 per cent remain on the farm, that the opportunities for these boys and girls to get vocational training in agriculture and home economics through the rural schools is limited, and that even if it were not so, little more than half of them are in school at the age of 15 to 17 years, the immediate as well as the potential and ultimate value of the club work becomes evident.



TABLE I.—Comparative summary of extension activities affecting the farm as a whole, 1920.

Some results of extension work in 1920.			Total cost of extension work, 1920, \$14,650,000, which represents an investment of less than \$0.75 per \$1,000 of the gross return from agriculture.	
Item.	Crop and live-stock improvement.	Control of diseases and pests.	Number influenced.	Gross returns from agriculture, 1920. Size of the problem, 1920. 6,450,000 farms in United States.
Cotton.....	10,000 farmers selected seed..... 8,000 farmers planted 300,000 acres with pure-bred or selected seed.	170,000 acres treated.....	180,000	1,900,000 farmers grew 34,000,000 acres. Average annual loss, insect pests, 9.7 per cent.
Corn.....	2,500,000 acres planted with selected seed..... 12,000 farmers secured 60,000 bushels seed corn. 2,900 farmers offered 160,000 bushels of seed corn for sale. 67,000 farmers tested 300,000 bushels used on 1,750,000 acres. 150,000 farmers selected 1,000,000 bushels of seed in the fall. 17,000 farmers purchased 650,000 bushels seed wheat.	.....	400,000	Average annual loss, plant diseases, 2 per cent. 4,900,000 farmers planted 88,000,000 acres. 80 per cent consumed on farms where grown. 700,000 farmers sold corn. Average annual loss, insect pests 2.7 per cent.
Wheat.....	10,000 farmers offered 1,200,000 bushels seed wheat for sale. 1,600 farmers offered for sale 325,000 bushels seed oats. 4,100 farmers bought 200,000 bushels seed oats.	40,000 farmers treated 2,500,000 bushels for smut used in planting 2,400,000 acres.	130,000	2,200,000 farmers grew 73,000,000 acres. Average annual loss, insect pests, 2.1 per cent. Average annual loss, plant diseases, 2.7 per cent.
Oats.....	2,600 farmers offered for sale 750,000 bushels seed potatoes. 12,000 farmers purchased 300,000 bushels.	40,000 farmers treated 1,250,000 bushels used in planting 600,000 acres.	95,000	2,200,000 farmers grew 38,000,000 acres. 75 per cent consumed on farms where grown. 470,000 farmers sold oats. Average annual loss, plant diseases, 1.7 per cent.
Irish potatoes.....	.....	40,000 farmers treated seed used in planting 155,000 acres. 30,000 farmers sprayed 90,000 acres.	100,000	2,966,650 farmers planted 3,300,000 acres. Average annual loss, plant diseases, 4.4 per cent. Average annual loss, insect pests, 3.2 per cent. 80 per cent of potatoes consumed on farms, home grown.
Sweet potatoes.....	.....	10,800 acres planted with treated seed.....	40,000	1,410,000 farmers planted 800,000 acres. In South 85 per cent of potatoes consumed on farms, home grown.
Crops (general).....	45,000 farmers adopted definite system of crop rotation. 230,000 farmers used commercial fertilizer. 1,200 local sources of limestone developed. 35,000 farmers used 680,000 tons of lime. 235,000 farmers planted legumes for soil and stock improvement.	80,000 farmers cleared 16,000,000 acres of rodents. 75,000 farmers cleared 3,400,000 acres of insects (grasshoppers).	.....	2,270,000 farms reported \$330,000,000 expended for fertilizer. 3,500,000 farms reported \$1,100,000,000 expended for feed.
Hay and forage.....	21,500 farmers planted alfalfa 20,000 farmers planted red clover. 38,000 farmers planted soy beans. 47,000 farmers planted cowpeas. 37,000 farmers planted velvet beans. 33,000 farmers planted peanuts. 15,000 farmers planted crimson clover. 280,000 acres legumes plowed under.	.....	300,000	Clover, 330,000 farms, 2,450,000 acres. Alfalfa, 545,000 farms, 5,000,000 acres. Timothy and clover, 1,200,000 farms, 20,000,000 acres. Hay and forage (all kinds) 4,350,000 farms, 82,000,000 acres. 85 per cent consumed on farms where grown. 625,000 farmers sold hay and forage. 3,500,000 farmers reported \$1,100,000,000 expended for feed.



Orchards.....	29,000 farmers pruned 3,500,000 trees.....	30,000 farmers sprayed 4,200,000 trees.....	\$5, 000	Apples, 3,000,000 farms, 151,000,000 trees. Peaches, 1,850,000 farms, 88,000,000 trees. Pears, 1300,000 farms, 23,800,000 trees. 65 per cent of fruit consumed on farms, home grown.
Gardens.....	250,000 farmers established or improved.....	.....	550, 000	Average annual loss, plant diseases, 3.7 per cent. Average annual loss, insect pests, 3.6 per cent. 5,000,000 home gardens, value \$345,000,000. 80 per cent of garden products consumed on farms, home grown.
Dairy.....	6,200 pure-bred dairy bulls secured..... 40,600 pure-bred dairy cows secured. 408 cow testing associations with 12,000 members and 205,000 cows. 4,400 club members handled 4,900 dairy animals.	270,000 cattle were tested for tuberculosis.....	.....	4,440,000 farms reported 31,400,000 dairy cattle. 675,000 farms reported 770,000 dairy bulls 1 year old or over, of which 195,000 were pure-bred. 710,000 farms reported sale of milk. 445,000 farms reported sale of cream. 875,000 farms reported sale of butter fat. 70 per cent of butter consumed on farms, home-made.
Beef.....	2,450 club members handled 2,700 pure-bred beef animals. 6,000 pure-bred beef bulls secured. 11,200 pure-bred beef cows secured.	610,000 cattle vaccinated for blackleg.....	.....	95 per cent of milk consumed on farms, home produced. 1,800,000 farmers reported 35,500,000 beef cattle. 430,000 farmers reported 732,000 bulls 1 year old or over, of which 390,000 were pure-bred. 25-50 per cent of beef consumed on farms, home grown.
Swine.....	13,000 pure-bred boars secured..... 21,700 club members handled 70,000 swine.	1,100,000 hogs vaccinated for hog cholera.....	.....	4,645,000 farms reported 60,000,000 swine. 765,000 farms reported 975,000 boars 6 months old. 1,850,000 farms sold 40,000,000 swine. 4,555,000 farms slaughtered 16,800,000 swine. Annual losses from swine from diseases and exposure, 3,750,000. Over 80 per cent of pork consumed on farms, home grown.
Live stock (general).....	50,000 farmers changed system of feeding..... 235,572 farmers introduced legumes into cropping system. 3,250 farmers enrolled in "pure-bred better sires campaign," 64,000 head of cattle; 55,000 sheep; 30,000 swine; 6,700 horses. 123 bull associations with 4,150 members owning 575 pure-bred bulls; 4,300 pure-bred cows, and 23,000 other cattle. 4,000 pure-bred rams secured.	4,000,000 animals treated for all kinds of diseases and pests. 3,000,000 cattle dipped.	.....	300,000 farms reported 35,000,000 sheep. 300,000 farms reported 20,000,000 sheep sold. Annual losses of cattle from disease and exposure 2,600,000. Annual losses of sheep from diseases and exposure, 2,000,000.
Poultry.....	Raised 6,000,000 fowls..... Culled 30,000 flocks.	.....	200, 000	5,400,000 farms produced 475,000,000 fowls and 1,600,000,000 dozen eggs. 2,700,000 farms sold 140,000,000 fowls. 4,100,000 farms sold 1,000,000,000 dozen eggs. Over 95 per cent of poultry and eggs consumed on farms, home produced.

TABLE II.—*Comparative summary of extension activities affecting especially the farm home, 1920.*

Item.	Average farm home conditions.	Some of the results of extension work in 1920.	Number of farm homes influenced.	Size of problem, 1920.
Poultry.....	Average farm family used: 200-300 pounds of chicken, 95 per cent home-grown. 150-160 dozen eggs; 95 per cent home produced. 80 per cent of farm women care for chickens. 22 per cent of farm women have money for own use.	Raised 6,000,000 fowls..... Culled 30,000 flocks.	200,000	One-third of the gross income of the farm is from food, fuel, and rent furnished directly to the farm family.
Gardens.....	Average farm family used: 22 pecks tomatoes; 65-85 per cent home grown. 12-20 pecks beans; 70-75 per cent home grown. 5-10 pecks peas; 60-80 per cent home grown. 80 per cent of garden products used by farm families home grown. 56 per cent of women cared for gardens.	18,000,000 containers canned fruits and vegetables. 3,800,000 pounds brined fruits and vegetables. 1,100,000 pounds dried fruits and vegetables. 250,000 gardens modified or introduced.	550,000	5,400,000 farms raised 475,000,000 fowls; produced 1,600,000,000 dozen eggs. 2,700,000 farms sold 140,000,000 fowls. 4,100,000 farms sold 1,000,000,000 dozen eggs.
Potatoes.....	Average farm family used: 10-35 bushels Irish potatoes; 80-85 per cent home grown. In the South 1,000 pounds sweet potatoes; 85 per cent home grown.	2,600 farmers offered for sale 750,000 bushels of seed potatoes. 12,000 farmers purchased 300,000 bushels of seed potatoes. 40,000 farmers treated seed used in planting 155,000 acres. 30,000 farmers sprayed 90,000 acres.	100,000	5,100,000 home gardens, valued at \$345,000,000.
Orchards.....	Average farm family used: 8-14 bushels apples; 60-70 per cent home grown. 25-28 pounds grapes; 65-100 per cent home grown. 55-75 pounds pears; 55-65 per cent home grown. 100-450 pounds peaches; 30-65 per cent home grown.	24,000 farmers started orchards..... 29,000 farmers pruned 3,500,000 trees. 30,000 farmers sprayed 4,200,000 trees.	85,000	2,900,000 farms planted 3,300,000 acres of Irish potatoes. 1,410,000 farms planted 800,000 acres of sweet potatoes.
Meats.....	Average farm family used: 85-280 pounds beef; 25-50 per cent home grown. 550-675 pounds pork; 80-95 per cent home grown.	10,000,000 pounds meat smoked..... 2,300,000 pounds sausage. 3,000,000 pounds lard. 600,000 pounds poultry and meat canned.	.....	Apples, 3,000,000 farms; 151,000,000 trees. Peaches, 1,850,000 farms; 88,000,000 trees. Pears, 1,300,000 farms; 23,800,000 trees. Grapes, 925,000 farms; 252,000,000 vines.
				888,000 farms slaughtered 1,900,000 cattle and calves; sold 225,000,000 pounds beef and veal. 4,600,000 farms slaughtered 16,000,000 swine; sold 445,000,000 pounds of pork. 95,000 farms slaughtered 435,000 sheep; sold 6,700,000 pounds of mutton.

Dairying.....	Average farm family used: 145-230 pounds butter; over 70 per cent home made. 350-900 quarts milk; 95 per cent home produced.	650,000 pounds butter made..... 2,500,000 pounds cream sold by women.	3,600,000 farms made 700,000,000 pounds of butter. 1,270,000 farms sold 210,000,000 pounds of butter. 710,000 farms reported sale of milk. 445,000 farms reported sale of cream. 875,000 farms reported sale of butter fat.
Clothing.....	95 per cent of farm families have sewing machines.	40,000 new garments..... 25,000 remodeled. 9,000 dress forms made. 7,500 hats made. 250,000 articles clothing, all kinds.	60,000
Home conveniences..	85 per cent of farm homes have outdoor toilets....	6,400 homes built or remodeled..... 12,000 kitchens rearranged. 6,000 water systems. 3,000 washing machines purchased. 5,000 pressure steam cookers purchased. 70,000 homes screened. 900 septic tanks installed. 33,000 improved home surroundings. 12,000 lighting systems installed. 35,000 families improved diet of family. 100,000 children enrolled in school lunch program.	42.5 per cent of farm homes owned free of incumbrances; 20.3 per cent mortgaged; 37.2 per cent rented. 30,000,000 hours household labor performed by women in farm homes during 1920. 645,000 farm homes have piped water. 2,500,000 farm homes have telephones.
Diet.....			



TABLE III.—Comparative summary of boys' and girls' club work, 1920.

Clubs.	Reporting.		Results.	Enrolled.		Size of problem, 1920. 6,450,000 farms in the United States.
	Boys.	Girls.		Boys.	Girls.	
All club work...	80,000	124,000		200,000	245,000	8,000,000 persons 10 to 21 years of age on farms. 70 to 80 per cent of farm children remain on the farm. 50 per cent of those between 16 and 20 years of age engaged in agriculture on the home farm. Slightly over 50 per cent of farm children remain in rural schools 15 to 17 years of age. Nearly 60 per cent of the farm girls between 20 and 24 years of age are married or have homes of their own and therefore need the things learned in club work. 260,000 persons become farm operators for the first time in the United States each year. 1,900,000 farms grew 34,000,000 acres. 4,900,000 farms planted 88,000,000 acres. 80 per cent consumed on farms, home grown. 700,000 farmers sold corn. 2,900,000 farms planted 3,300,000 acres of Irish potatoes. 1,410,000 farms planted 800,000 acres of sweet potatoes. 80-85 per cent of potatoes consumed on farms, home grown. In South 85 per cent of sweet potatoes consumed on farms, home grown. 5 per cent of farms reported pure-bred swine. 4,645,000 farms reported 60,000,000 swine. 1,850,000 farms sold 40,000,000 swine. 4,600,000 farms slaughtered 16,000,000 swine. Annual losses from swine from diseases 3,750,000. Over 80 per cent of pork consumed on farms, home grown. 4,400,000 farms reported 31,400,000 dairy cows. 190,000 farms reported 195,000 pure-bred dairy bulls. 3,600,000 farms made 710,000,000 pounds of butter. 1,270,000 farms sold 210,000,000 pounds of butter. 710,000 farms reported sale of milk. 445,000 farms reported sale of cream. 875,000 farms reported sale of butter fat. Over 70 per cent of butter consumed on farms, home made. Over 95 per cent of milk consumed on farms, home produced. 1,800,000 farms reported 35,500,000 beef cattle. 430,000 farms reported 732,000 bulls 1 year old or over. 205,000 farms reported 390,000 pure-bred beef bulls. 25-50 per cent of beef consumed on farms, home grown.
Cotton.....	975		1,500,000 pounds of seed cotton produced; 1,250 pounds per acre, total value \$85,000.	5,630		
Corn.....	8,200		520,000 bushels produced; average yield 40 to 50 bushels per acre.	29,000		
Potatoes.....	4,400	800	240,000 bushels produced.....	10,900	1,500	
Pigs.....	20,000	1,700	70,000 hogs handled.....	54,300	2,275	
Dairy cattle.....	3,700	725	4,900 dairy animals handled.....	7,100	1,200	
Beef cattle.....	2,050	400	Grew 2,700 beef animals.....	4,900	500	



Poultry.....	8, 000	15, 000	700,000 chickens raised; 500,000 dozen eggs produced.....	22, 000	49, 000	5,400,000 farms produced 475,000,000 fowls and 1,600,000,000 dozen eggs. 2,700,000 farms sold 140,000,000 fowls. 4,100,000 farms sold 1,000,000,000 dozen eggs. Over 95 per cent of poultry and eggs furnished to farm family direct. 5,100,000 home gardens valued at \$345,000,000.
Gardens.....	28, 000	1 62, 500	\$1,000,000 fresh fruits and vegetables.....	46, 800	2 130, 000	
Canning.....	450	1 52, 000	4,750,000 containers of fruits and vegetables.....	800	2 110, 000	
Clothing.....	200	1 55, 000	200,000 garments made and repaired.....	280	2 113, 000	
Foods.....		12, 000	310,000 loaves of bread made.....	.....	18, 000	
			260,000 meals prepared.			
			260,000 foods prepared.			

<sup>1</sup> 38,400 girls included also in canning, clothing, and gardening clubs.

<sup>2</sup> 84,000 girls included also in canning, clothing, and gardening clubs.

## STATISTICS.

*Farmers' institutes conducted by the extension department of the agricultural colleges, year ended June 30, 1920.*

State.	Number of institutes.	Total number of days of institutes.	Total number of sessions.	Total attendance.	Number of lecturers.			Amount of State appropriation used for institutes.	Other funds used.
					From extension staff.	From outside sources.	Total number of lecturers.		
Colorado.....	6	8	17	480	2	4	6		
Connecticut.....	10	10	14	1,300	11	8	19	\$218. 00	
Florida.....	4,726	3,544	7,088	110,582	92	48	140		
Georgia.....	87	740	1,480	103,000	20	2	22	2,202. 42	
Indiana.....	528	641	1,357	164,661	9	42	51	13,254. 00	\$15,742. 11
Kansas.....	55	87	261	8,060	16	5	21	6,696. 55	9,263. 65
Louisiana.....	60	60	75	3,750	20		20		
Maryland.....	79	81	154	10,370	20	13	33		
Minnesota.....	96	122	229	18,133		9	9	6,032. 04	
Mississippi.....			12,085	877,329					
Montana.....	131	296	389	37,857	12	3	15	10,000. 00	
Nevada.....	4	12	21	1,715	9	8	17	150. 00	
New York.....	379	386	772	29,312	29	22	51	19,658. 00	1,022. 00
Ohio.....	411	822	2,030	304,175	7	49	56	10,780. 00	16,580. 00
South Dakota.....	86	86	86	11,746	8	2	10	3,761. 02	
Tennessee.....	3	9	21	5,000	31	94	125	2,000. 00	
Utah.....	129	125	187	17,243	10	10	20	2,700. 00	
Virginia.....	1	3	9	800	5	12	17	100. 00	
West Virginia.....	190	203	364	24,667	23	9	32	4,044. 60	
Wisconsin.....	173	346	720	65,317	62	2	64	15,177. 25	
Total, 1920....	7,154	7,581	27,359	1,795,497	346	342	728	96,773. 88	42,607. 76
1919....	2,625	3,059	6,356	691,763	267	228	505	86,167. 49	23,106. 98

No institutes held in Arizona, Arkansas, California, Idaho, Kentucky, Michigan, Nebraska, New Mexico, Oklahoma, Oregon, South Carolina, Washington, and Wyoming.

*Farmers' institutes conducted by the States, year ended June 30, 1920.*

State.	Number of institutes.	Total number of days of institutes.	Total number of sessions.	Total attendance.	Number of lecturers.			Amount of State appropriation used for institutes.	Other funds used.
					From official State institute staff.	From agricultural college or experiment station staff.	Total number of lecturers.		
Delaware.....	26	36	84	6,669	9	3	12	\$894. 26	\$800. 00
Illinois.....	347	402	1,021	170,000	109	23	132	60,000. 00	
Iowa.....	35	97	196	23,814	74	98	172	2,451. 05	6,312. 36
Massachusetts.....	29	29	47	5,175	10	10	20	693. 16	
Missouri.....	362	362	362	96,579	7	3	10	9,022. 57	
New Hampshire.....	20	20	40	3,500	7	5	12	2,000. 00	
New Jersey.....	92	94	167	10,464	83	32	115	2,049. 40	
North Carolina.....	218	220	403	25,835	30	15	45	5,000. 00	
North Dakota.....	74	102	200	26,252	8	30	38	9,713. 00	
Pennsylvania.....	290	290	612	59,068	54	36	90	20,330. 61	
Rhode Island.....	14	14	14	1,380	4	10	14	189. 69	
Texas.....	1,484	1,484	1,484	98,606	16		16	45,000. 00	
Vermont.....			21	835	1		1	544. 91	
Total, 1920....	2,991	3,150	4,651	528,177	412	265	677	157,888. 65	7,112. 36
1919....	1,917	2,622	3,732	576,331	266	170	540	87,546. 60	7,069. 91

No institutes held in Maine. No report received from Alabama.

*Expenditures for cooperative agricultural extension work for the year ended June 30, 1920, by items of expense.*

EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (FEDERAL SMITH-LEVER).

State.	Amount of appropriation.	Salary.	Labor.	Publications.	Stationery and small printing.	Postage, telegraph, phone, freight, and express.	Heat, light, water, and power.	Supplies.	Library.	Tools, machinery, and appliances.	Furniture and fixtures.	Scientific apparatus and specimens.	Live stock.	Travelling expenses.	Contingent expenses.	Unexpended balance.
Alabama.....	\$156,860.77	\$94,215.93	\$3,502.26	\$4,679.36	\$5,661.69	\$2,456.02	\$370.38	\$188.76	\$259.74	\$331.75	\$2,137.43	\$972.55		\$42,046.85	\$38.05	.....
Arizona.....	21,722.39	16,313.78	412.59	700.00	768.99	158.00		266.37		22.97	39.00			3,010.99	29.70	.....
Arkansas.....	123,969.10	45,336.66	726.87	5,351.31	2,175.28	2,036.30	146.22	568.82	30.39	78.45	835.52	93.79		63,548.80	3,040.69	.....
California.....	85,422.61	54,195.79	930.19	57.07	3,649.20	1,067.48		263.17		2.71	143.27	48.00		25,065.73		.....
Colorado.....	42,749.57	34,406.28	586.26	1,350.81	502.83	453.49		70.79	10.00	12.58	180.15	29.33		5,145.85	1.20	.....
Connecticut.....	19,547.51	17,443.19				8.20								2,096.12		.....
Delaware.....	18,743.26	12,717.45	299.62	527.00	520.15	548.39		203.00	21.75	32.75	152.40	8.26		3,711.04	1.45	.....
Florida.....	54,327.47	37,171.14	1,006.70	3,408.93	1,014.41	429.81		386.73	2.50	41.41	387.60	25.48		10,422.76	30.00	.....
Georgia.....	182,018.70	162,703.93			6.05	168.35		196.08		102.40	65.75			18,772.39	3.75	.....
Idaho.....	31,243.74	25,602.40	22.50	377.35	464.49	107.83	95	27.12	3.60	1.25	141.85			4,491.90	2.50	.....
Illinois.....	189,595.01	166,296.66	341.92	3,965.50	2,112.38	1,868.75		208.09	35.26		1,280.49			13,465.10	20.86	.....
Indiana.....	139,361.97	93,454.75	3,374.37	3,278.21	1,773.89	425.63		287.33	6.00	73.25	572.08	3.00		36,113.46		.....
Iowa.....	138,338.04	109,017.10	6,267.50	3,300.00	1,995.43	1,619.45		571.80	14.00	161.39	20.23	20.90		15,327.47	22.77	.....
Kansas.....	109,462.30	82,231.31	16.93	2,531.44	2,254.98	671.62		632.11	139.04	25.16	1,054.16	84.86		19,798.85	21.84	.....
Kentucky.....	154,102.53	58,984.47	1,489.32	1,643.69	1,259.90	1,324.22	2,250.00	918.64	107.76	20.65	1,676.30	109.17		53,959.16	129.00	\$30,230.19
Louisiana.....	106,364.43	83,849.09	675.61	3,746.06	1,026.75	681.91	400.00	2,011.01	355.26	184.02	1,807.20	10.35		11,597.17	20.00	.....
Maine.....	39,986.58	25,694.87	51.61	929.88	1,026.75	364.67	3.22	302.46	56.92	81.71	1,134.23	220.22		8,572.88	59.37	.....
Maryland.....	62,936.00	46,240.93		2,000.00	346.71	88.60		141.76	4.20		100.47	9.95		14,003.38		.....
Massachusetts.....	30,026.78	26,304.20	606.11	698.67	6.00	53.79		5.12			3.80			2,349.09		.....
Michigan.....	133,221.23	90,034.88	2,862.94	1,296.93	5,146.22	1,633.23		829.56	140.57	70.96	996.74	9.03		30,087.90	16.76	73.41
Minnesota.....	111,809.73	87,985.15	912.34	3,578.54	1,896.30	849.43		203.48	25	11.00	310.92			16,035.02	27.30	.....
Mississippi.....	142,083.88	108,521.73	1,390.05	1,285.60	950.05	1,354.54	243.64	421.99	264.00	31.58	204.83			27,089.37	326.50	.....
Missouri.....	167,400.22	123,182.67	717.45	10,278.28	2,455.76	1,345.44		1,384.64	13.50	67.63	3,074.67	661.50		24,218.66		.....
Montana.....	30,158.39	25,027.47	627.05	1,500.00	1,010.63	396.96		17.21	31.17	14.84		27.35		1,477.21	10.00	.....
Nebraska.....	83,225.26	71,555.96	2.00	138.20	2,328.51	625.85		483.72	84.65	34.81	137.45	64.07		7,721.40	48.64	.....
Nevada.....	15,691.78	14,027.43	46.69		83.40	150.85	10.75	30.20	36.55		169.20			1,110.71	24.00	.....
New Hampshire.....	24,578.62	16,919.75	726.66	1,536.10	510.32	446.28		287.14	10.48	41.28	125.05			3,938.23	37.33	.....
New Jersey.....	62,338.05	37,223.24	290.37	1,786.44	2,463.02	1,135.76	19	975.97	107.40	120.54	1,211.52	367.90		16,372.30	283.40	.....
New Mexico.....	33,323.58	21,567.56	1,229.27	1,416.94	762.36	1,154.89	1.80	104.12	81.38	16.49	934.35			6,048.07	6.35	.....
New York.....	170,191.92	133,787.99	1,502.26	3,742.34	4,714.26	1,512.93		1,281.23	96.64	550.41	1,747.18	62.53		21,090.16	61.72	42.27
North Carolina.....	166,843.12	116,451.80	649.48	4,939.25	3,577.39	3,550.21	1.15	675.76	156.75	5.70	379.12	159.20		38,195.31	302.00	.....
North Dakota.....	52,689.12	43,764.54	421.41		1,615.04	948.66		854.98	17.00	72.10	694.76			4,276.02	25.00	.....
Ohio.....	184,636.38	131,816.95	5,438.60	7,362.99	3,978.33	1,934.27		828.44	69.22	50.42	1,928.70	174.29		31,010.30	92.50	20.98
Oklahoma.....	121,080.56	98,381.14	8.90	1,152.50	2,020.51	614.81	540.00	212.58	69.10	23.25	570.98	252.00		17,219.26	15.53	.....
Oregon.....	40,383.46	22,990.33	1,712.53	1,069.03	1,801.72	704.19	1.00	218.40	10.50	13.25	106.38			11,643.00	113.13	.....
Pennsylvania.....	194,872.91	142,624.89	3,446.60	6,048.64	6,326.88	1,719.47	.20	231.38	2.50	45.45	400.04	91.08		33,923.28	12.50	.....

<sup>1</sup> Pennsylvania unable to meet the full allotment to that State by \$67,234.37.



*Expenditures for cooperative agricultural extension work for the year ended June 30, 1920, by items of expense—Continued.*

EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (FEDERAL SMITH-LEVER)—Continued.

State.	Amount of appropriation.	Salary.	Labor.	Publications.	Stationery and small printing.	Postage, telegraph, phone, freight, and express.	Heat, light, water, and power.	Supplies.	Library.	Tools, machinery, and appliances.	Furniture and fixtures.	Scientific apparatus and specimens.	Live stock.	Traveling expenses.	Contingent expenses.	Unexpended balance.
Rhode Island.	\$11,491.82	\$8,547.58	\$0.25	\$163.23	\$453.59	\$41.32	.....	\$117.72	\$142.01	.....	\$67.01	\$74.39	.....	\$1,884.72	.....	.....
South Carolina.	117,222.87	62,466.09	690.23	2,382.55	5,781.33	592.50	\$64.86	287.32	94.06	\$14.41	1,964.98	393.27	.....	42,231.75	\$259.52	.....
South Dakota.	52,140.38	32,062.24	1,166.08	2,227.79	2,550.64	739.12	5.00	645.64	15.75	425.30	1,559.27	811.15	.....	9,848.56	83.84	.....
Tennessee.	154,873.58	81,403.76	1,749.69	5,019.81	6,749.93	1,725.44	432.25	1,786.93	583.26	47.75	1,904.03	511.71	.....	34,709.05	197.55	\$18,052.42
Texas.	255,792.71	140,343.23	.....	5,005.51	7,444.35	2,678.39	.....	594.71	270.84	129.22	1,521.19	35.10	.....	97,036.17	734.00	.....
Utah.	26,651.01	20,229.83	484.99	465.94	183.96	31.24	.....	19.70	2.50	26.30	85.17	.....	.....	5,106.38	15.00	.....
Vermont.	25,537.37	14,970.27	586.66	489.17	2,047.08	511.87	.....	1,053.07	35.05	400.77	1,300.74	229.05	.....	3,913.64	.....	.....
Virginia.	141,691.75	113,629.56	309.03	4,716.60	5,016.37	1,302.67	142.40	219.44	88.85	24.39	753.01	484.86	.....	15,000.15	4.42	.....
Washington.	54,570.12	37,601.29	1,199.48	1,885.57	1,763.18	801.25	.....	162.69	3.15	40.21	962.59	.....	.....	10,150.71	.....	.....
West Virginia.	92,490.12	67,991.18	26.25	2,815.93	894.46	.....	.....	.....	.....	.....	.....	.....	.....	20,762.30	.....	.....
Wisconsin.	120,460.73	90,065.46	1,043.20	2,194.03	1,293.27	1,230.33	.65	1,079.97	11.01	70.55	287.67	304.55	.....	22,852.69	27.35	.....
Wyoming.	18,536.20	13,136.28	232.50	268.52	884.02	169.73	.....	151.72	.....	2.29	185.49	5.50	.....	3,495.80	4.35	.....
Total, 1920.	14,512,765.63	3,160,490.18	49,783.32	113,311.71	104,688.53	42,254.14	4,614.66	22,408.87	3,484.66	3,523.37	35,333.55	6,354.39	.....	911,947.11	6,149.87	48,421.27
1919.	2,580,000.00	1,616,999.04	43,721.91	105,120.93	108,345.27	43,054.00	2,618.28	25,821.56	5,232.20	5,794.77	74,579.72	5,950.63	\$98.20	496,439.74	5,051.79	41,171.96
1918.	2,080,000.00	1,343,293.39	38,250.66	76,910.28	85,141.13	39,627.12	2,412.57	24,514.89	1,481.19	4,732.47	51,659.81	3,556.80	.....	394,481.91	1,998.07	11,933.71
1917.	1,580,000.00	1,118,078.61	21,983.32	43,927.84	34,509.96	20,041.81	1,338.98	18,077.66	1,152.85	6,872.01	25,053.91	3,732.85	70.35	278,867.24	1,346.99	4,945.62
1916.	1,080,000.00	738,584.75	16,580.89	27,867.77	25,745.46	12,154.06	988.63	15,117.88	1,303.33	9,205.45	24,425.78	4,417.19	52.75	201,084.45	415.34	2,076.27
1915.	480,000.00	322,631.44	6,511.70	8,241.16	9,270.05	5,539.85	146.85	6,193.34	304.56	1,739.53	15,131.40	2,431.69	162.31	96,402.41	228.41	5,065.27

## EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (STATE SMITH-LEVER).

State.	Amount of appropriation.	Salary.	Labor.	Publications.	Stationery and small printing.	Postage, telegraph, phone, freight, and express.	Heat, light, water, and power.	Supplies.	Library.	Tools, machinery and appliances.	Furniture and fixtures.	Scientific apparatus and specimens.	Live stock.	Traveling expenses.	Contingent expenses.	Unexpended balance.
Alabama.....	\$146,860.77	\$113,250.39	\$464.23	\$895.19	\$601.54	\$825.16	\$47.28	\$191.81	\$1.29	\$228.45	\$929.46			\$29,611.82	\$14.15	.....
Arizona.....	11,722.39	6,625.63	77.75	476.66	70.30	186.10	2.00	308.65	4.00	8.40	16.50			3,872.39	74.01	.....
Arkansas.....	113,969.10	107,490.38	179.68	2,244.23	739.40	155.26	23.09	17.04	116.50	2.30	614.23	\$190.39		1,973.89	220.71	.....
California.....	75,422.61	74,293.90	523.94											600.77		.....
Colorado.....	32,749.57	25,075.27	186.30	714.94	519.74	499.85		130.93	8.52	41.90	351.75	34.75		5,183.07	2.55	.....
Connecticut.....	9,547.51	9,115.54				4.05								427.92		.....
Delaware.....	8,743.26	4,634.86	91.55	527.00	852.78	123.39		111.77	2.00	21.00	4.71	5.16		2,368.89	15	.....
Florida.....	44,327.47	34,104.23	2.00	292.42	53.23	130.70		8.82		310.50	57.12	136.56		9,231.89		.....
Georgia.....	172,018.70	128,685.34	2,791.81	7,709.44	3,367.97	1,406.98	1,388.08	3,398.18	2.50	2,142.81	1,064.15	354.50		19,301.65	405.29	.....
Idaho.....	21,243.74	21,157.64				6.21		54				85		78.50		.....
Illinois.....	179,595.01	179,595.01														.....
Indiana.....	129,361.97	122,747.17														.....
Iowa.....	128,338.04	91,637.48	13,510.42	3,000.10	3,716.64	2,089.93		1,227.26		181.21	376.40	48.75	\$3.00	9,476.81	70.04	.....
Kansas.....	99,462.30	96,663.54	10.00		342.16	62.93		23.30	15.60	48.17	502.89	224.25		1,793.71		.....
Kentucky.....	144,102.53	113,215.67			26.95			132.66			269.66					.....
Louisiana.....	96,364.43	82,456.31	21.00	25.13	115.05	370.22		231.28	12.77	81.07	327.22			12,711.68	12.70	.....
Maine.....	29,986.58	13,193.57	6.50	50	902.59	540.55	11.23	157.08	81.93	162.18	200.23	442.64		14,235.58	52.00	.....
Maryland.....	52,936.00	43,472.14	200.00	1,026.58	972.29	706.41		207.31	98.67	3.00	202.50			6,047.10		.....
Massachusetts.....	20,026.78	9,127.38	217.04	30.10	53.43	241.00		43.23		3.73	4.50			10,304.35		.....
Michigan.....	123,221.23	116,494.67	4,364.56	1,798.55	38.83	.82		15.38			36.78			396.23		75.41
Minnesota.....	101,809.73	101,809.73														.....
Mississippi.....	132,083.88	101,906.64	1,179.83	1,765.48	1,425.52	757.59	408.50	228.51	18.18	25.31	847.12			23,456.20	65.00	.....
Missouri.....	157,400.22	107,682.29	812.01	338.04	5,305.83	5,430.53	330.20	3,291.64			131.90			30,622.71	3,464.47	.....
Montana.....	20,158.39	20,158.39														.....
Nebraska.....	73,225.26	60,406.73														.....
Nevada.....	5,691.78	2,362.32	10.80	975.48	1,299.00	662.36		425.71	4.74	52.35	166.62	15.89		9,206.10	10.28	.....
New Hampshire.....	14,578.62	11,888.09	93.35	45.08	337.60	149.72	10.50	147.23	23.74	3.00	14.05			2,471.59	116.15	.....
New Jersey.....	52,338.05	51,078.92			335.09	49.01		456.74	3.50	141.32	15.00			1,581.02	15.50	.....
New Mexico.....	23,323.58	14,000.57	38.05	932.77	877.42	225.56		1.38						493.45		.....
New York.....	160,191.92	158,633.52		1,516.13				85.39	3.25		301.00			6,838.07	1.50	42.27
North Carolina.....	156,843.12	135,697.57	248.25	4,835.87	855.57	430.72	27.70	640.38	69.45	47.80	1,152.34			12,690.47	147.00	.....
North Dakota.....	42,689.12	27,884.64	208.14	532.39	444.63	230.18		228.40			381.60			12,779.14		.....
Ohio.....	174,636.38	137,576.89		111.08	138.13	872.85		62.82		42.17	225.22	233.63		35,352.61		20.98
Oklahoma.....	111,080.56	86,504.05	1,090.08	4,575.08	1,645.77	167.50		148.59	10.08	3.00	432.85	10.00		16,430.76	2.80	.....
Oregon.....	30,383.46	29,383.46		1,000.00												.....
Pennsylvania.....	184,872.91	106,957.46	619.07	2,994.20	2,994.20	5,836.54	126.50	1,215.71	53.80	197.72	855.60	81.04		63,026.07	2,685.20	.....
Rhode Island.....	1,491.82	169.36	50.70	169.36	242.01	178.48		6.10	3.97		173.37	565.01		19.48		.....
South Carolina.....	107,222.87	91,534.13	24.85	1,660.24	1,597.63	2,141.76	622.13	104.24	16.75	40.22	505.21			8,972.71	3.00	.....

\* Pennsylvania unable to meet the full allotment to that State by \$67,234.37.



*Expenditures for cooperative agricultural extension work for the year ended June 30, 1920, by items of expense—Continued.*

EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (STATE SMITH-LEVER)—Continued.

State.	Amount of appropriation.	Salary.	Labor.	Publications.	Stationery and small printing.	Postage, telegraph, phone, freight, and express.	Heat, light, water, and power.	Supplies.	Library.	Tools, machinery, and appliances.	Furniture and fixtures.	Scientific apparatus and specimens.	Live stock.	Traveling expenses.	Continuent expenses.	Unexpended balance.
South Dakota..	\$42,140.38	\$33,198.20	\$1,157.45	\$186.79	\$643.55	\$527.14	.....	\$152.42	\$1.35	.....	\$478.19	\$19.25	\$52.30	\$5,623.74	.....	.....
Tennessee.....	144,873.58	117,808.75	.....	3,841.60	.....	105.09	.....	.....	.....	.....	.....	.....	.....	5,065.72	.....	\$18,052.42
Texas.....	245,792.71	223,569.86	.....	6,088.94	.....	.....	.....	.....	.....	.....	.....	.....	.....	16,133.91	.....	.....
Utah.....	16,651.01	16,598.81	52.20	.....	298.58	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vermont.....	15,537.37	12,957.80	626.46	.....	.....	2.26	\$360.00	63.02	.....	\$100.00	10.10	.....	.....	.....	.....	.....
Virginia.....	131,691.75	109,918.70	.....	4,628.84	.....	103.77	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington....	44,570.12	33,175.02	1,375.59	72.77	476.60	330.68	.....	157.07	.....	33.24	184.14	.....	.....	17,040.44	.....	.....
West Virginia..	82,490.12	74,622.06	.....	3,365.48	103.51	.....	.....	.....	.....	.....	.....	.....	.....	8,765.01	.....	.....
Wisconsin.....	110,460.73	71,802.06	8,634.98	2,873.67	780.53	1,106.67	.....	517.68	17.50	60.65	548.23	100.00	.....	4,399.07	2.74	.....
Wyoming.....	8,536.20	8,351.58	108.15	8.70	51.32	.....	.....	14.50	.....	1.95	.....	.....	.....	24,016.02	.....	.....
Total, 1920.	14,032,765.63	3,343,649.70	38,978.74	58,956.38	32,318.41	26,754.12	3,357.21	14,152.77	570.09	3,983.45	11,380.61	2,462.67	55.30	440,221.83	7,503.05	48,421.27
1919.	2,100,000.00	1,454,111.77	30,673.30	55,540.79	61,489.27	28,237.75	2,824.06	16,501.16	787.60	2,143.41	27,249.65	2,932.16	45.00	369,769.41	6,522.71	41,171.96
1918.	1,600,000.00	1,147,256.62	42,263.69	40,130.89	36,527.87	20,826.08	3,052.65	9,909.71	684.29	3,975.07	18,699.79	1,254.59	.....	259,998.19	3,486.85	11,933.71
1917.	1,100,000.00	807,924.77	17,080.20	34,822.25	22,986.39	12,441.66	232.44	9,521.16	341.08	2,582.86	12,018.55	2,073.10	.....	171,145.06	1,884.86	4,945.62
1916.	600,000.00	444,838.61	10,632.39	15,198.34	13,787.31	5,397.94	223.28	7,718.43	208.40	2,210.66	8,339.73	999.38	.....	87,038.02	1,331.24	2,076.27



## EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (FEDERAL AND STATE SMITH-LEVER).

State.	Amount of appropriation.	Salary.	Labor.	Publications.	Stationery and small printing.	Postage, telegraph, phone, freight, and express.	Heat, light, water, and power.	Supplies.	Library.	Tools, machinery, and appliances.	Furniture and fixtures.	Scientific apparatus and specimens.	Live stock.	Traveling expenses.	Contingent expenses.	Unexpended balance.
Alabama.....	\$303,721.54	\$207,466.32	\$3,966.49	\$5,574.55	\$6,263.23	\$3,081.18	\$417.66	\$380.57	\$261.03	\$560.20	\$3,066.89	\$972.55	.....	\$71,658.67	\$52.20	.....
Arizona.....	33,444.78	22,939.41	400.31	1,176.66	839.29	344.10	2.00	575.02	4.00	31.37	55.50	.....	.....	6,883.38	103.71	.....
Arkansas.....	237,938.20	152,827.04	496.53	7,595.54	2,919.68	2,191.56	169.31	585.86	146.89	80.75	1,447.75	284.18	.....	65,524.69	3,261.40	.....
California.....	160,845.22	128,491.69	1,456.13	57.07	3,614.20	1,067.48	.....	263.17	.....	2.71	143.27	48.00	.....	25,666.50	.....	.....
Colorado.....	75,499.14	59,481.55	772.56	2,065.75	1,022.57	933.34	.....	201.72	18.52	54.48	531.90	64.08	.....	10,328.92	3.75	.....
Connecticut.....	29,995.02	20,558.73	.....	.....	.....	12.25	.....	.....	.....	.....	.....	.....	.....	2,524.04	.....	.....
Delaware.....	27,486.52	17,352.31	391.17	1,054.00	1,372.93	671.78	.....	314.77	23.75	53.75	157.11	13.42	.....	6,079.93	1.00	.....
Florida.....	98,654.94	71,275.37	1,008.70	3,701.35	1,067.64	500.51	.....	395.55	2.50	351.91	444.72	162.04	.....	19,654.65	30.00	.....
Georgia.....	354,937.40	291,389.27	2,791.81	7,709.44	3,374.02	1,575.33	1,388.08	3,594.26	2.50	2,245.21	1,129.90	354.50	.....	38,074.04	409.04	.....
Idaho.....	52,487.48	46,760.04	22.50	377.35	464.49	114.04	.95	27.66	3.60	1.25	141.85	.85	.....	4,570.40	2.50	.....
Illinois.....	369,190.02	345,891.67	341.92	3,965.50	2,112.38	1,868.75	.....	208.09	35.26	.....	1,280.49	.....	.....	13,465.10	20.86	.....
Indiana.....	238,723.94	216,201.92	3,374.37	3,738.21	5,712.07	3,709.38	.....	287.33	6.00	73.25	572.08	3.00	.....	42,728.26	.....	.....
Iowa.....	266,676.08	203,654.58	19,777.92	6,300.10	1,773.89	425.63	.....	1,799.06	14.00	342.60	396.63	69.65	\$3.00	24,804.28	.....	.....
Kansas.....	208,924.60	178,894.85	26.98	2,531.44	2,597.14	734.55	.....	655.41	154.64	73.33	1,557.05	84.86	.....	21,592.56	21.84	.....
Kentucky.....	298,235.06	172,200.14	1,436.69	1,643.69	1,286.85	1,324.22	2,200.00	1,051.30	107.76	20.65	1,946.02	333.42	.....	53,959.16	132.15	\$60,460.38
Louisiana.....	202,728.86	166,305.40	1,696.61	3,771.19	1,141.80	1,052.13	400.00	2,242.29	368.03	265.09	2,134.42	10.35	.....	24,308.85	32.70	.....
Maine.....	69,973.16	38,888.44	58.11	930.38	3,417.11	905.22	14.45	459.54	138.85	243.89	1,334.48	662.86	.....	22,808.46	111.37	.....
Maryland.....	115,872.00	89,713.07	200.00	3,025.58	1,319.00	795.01	.....	349.07	102.87	3.00	302.97	9.95	.....	20,050.48	.....	.....
Massachusetts.....	50,053.56	35,431.58	823.15	728.77	61.45	294.79	.....	48.35	.....	3.73	8.30	.....	.....	12,653.44	.....	.....
Michigan.....	256,442.46	206,529.55	7,227.50	3,095.48	5,185.05	1,654.05	.....	844.94	140.67	70.96	1,033.52	9.03	.....	30,484.13	16.76	150.82
Minnesota.....	213,619.46	189,794.88	912.31	3,578.54	1,896.30	849.43	.....	203.48	.25	11.00	310.92	.....	.....	16,035.02	27.30	.....
Mississippi.....	274,167.76	210,428.37	2,569.88	3,051.08	2,375.57	2,112.13	652.14	650.50	282.18	56.89	1,051.95	.....	.....	50,545.57	391.50	.....
Missouri.....	324,800.44	230,864.96	1,529.46	10,616.92	7,761.59	6,765.97	330.20	4,676.28	13.50	67.65	3,206.57	661.50	.....	54,841.37	3,464.47	.....
Montana.....	150,316.78	45,185.80	627.65	1,500.00	1,010.63	306.96	.....	17.21	31.17	14.84	18.50	27.35	.....	1,477.21	10.00	.....
Nebraska.....	156,450.52	131,962.69	2.00	1,113.68	3,627.51	1,288.21	.....	909.43	89.39	87.16	304.07	79.96	.....	16,927.50	58.92	.....
Nevada.....	21,833.50	16,389.75	57.49	45.08	423.00	300.57	21.25	177.43	60.29	3.00	183.25	.....	.....	3,582.30	140.15	.....
New Hampshire.....	39,157.24	23,807.84	820.01	1,536.12	2,554.02	1,341.91	.19	977.35	13.98	182.60	140.05	.....	.....	5,519.25	52.83	.....
New Jersey.....	114,676.10	88,302.16	290.37	2,233.59	4,551.41	495.29	.....	743.88	107.40	120.54	1,211.52	367.90	.....	12,906.14	7.85	.....
New Mexico.....	55,647.16	35,558.13	1,237.32	2,349.71	1,639.78	1,380.45	1.80	189.51	84.63	16.49	1,235.35	.....	.....	21,090.16	61.72	\$4.54
New York.....	330,383.84	292,421.51	1,502.2	5,258.47	4,714.23	1,512.93	.....	1,281.23	96.64	550.41	1,747.18	62.53	.....	50,885.78	449.00	.....
North Carolina.....	323,686.24	252,149.37	897.73	9,775.12	4,432.96	1,780.93	28.85	1,316.14	225.20	53.50	1,531.46	159.20	.....	17,055.16	25.00	.....
North Dakota.....	95,378.24	71,649.18	629.55	532.39	2,059.97	1,178.45	.....	1,083.38	17.00	72.10	1,076.36	.....	.....	66,362.91	92.50	41.96
Ohio.....	339,272.76	239,393.84	5,438.60	7,474.07	4,046.46	2,807.51	.....	891.26	69.22	92.59	2,153.92	407.92	.....	17,055.16	25.00	.....
Oklahoma.....	232,161.12	184,945.19	1,098.98	5,727.58	3,666.28	782.31	540.00	361.17	79.18	26.25	1,003.83	262.00	.....	33,650.02	18.33	.....
Oregon.....	70,766.92	52,373.79	1,712.53	2,069.03	1,801.72	704.19	1.00	218.40	10.50	13.25	1,066.38	.....	.....	11,643.00	113.13	.....
Pennsylvania.....	137,745.82	249,582.35	4,065.67	6,272.64	9,321.08	7,556.01	126.70	1,447.09	56.30	243.17	1,255.64	172.12	.....	96,949.35	2,697.70	.....
Rhode Island.....	22,983.64	8,630.92	50.95	332.59	695.00	219.80	.....	123.82	145.98	.....	240.38	639.40	.....	1,904.20	.....	.....
South Carolina.....	124,445.74	154,000.22	715.08	4,042.79	7,378.96	2,734.26	686.99	391.56	110.81	54.63	2,470.19	393.27	.....	51,204.46	262.52	.....

<sup>1</sup> Pennsylvania unable to meet the full allotment to that State by \$67,234.37.

*Expenditures for cooperative agricultural extension work for the year ended June 30, 1920, by items of expense—Continued.*

EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (FEDERAL AND STATE SMITH-LEVER)—Continued.

State.	Amount of appropriation.	Salary.	Labor.	Publications.	Stationery and small printing.	Postage, telegraph, phone, freight, and express.	Heat, light, water, and power.	Supplies.	Library.	Tools, machinery, and appliances.	Furniture and fixtures.	Scientific apparatus and specimens.	Live stock.	Traveling expenses.	Contingent expenses.	Unexpended balance.
South Dakota.	\$94,280.76	\$65,230.44	\$2,323.53	\$2,414.58	\$3,194.19	\$1,366.22	\$5.00	\$798.06	\$17.10	\$425.30	\$2,037.46	\$830.40	\$52.30	\$15,472.30	\$83.84	.....
Tennessee.	299,747.16	199,212.51	1,749.69	8,861.41	6,749.93	1,830.53	432.25	1,786.93	533.23	47.75	1,904.03	511.71	.....	39,774.77	197.55	\$36,104.84
Texas.	501,885.42	363,913.09	.....	11,094.45	7,444.35	2,678.39	.....	594.71	270.84	129.22	1,521.19	35.10	.....	113,170.08	734.00	.....
Utah.	43,302.02	36,828.64	537.19	465.94	183.96	31.24	.....	19.70	2.50	26.30	85.17	.....	.....	5,106.38	15.00	.....
Vermont.	41,074.74	27,923.07	1,213.12	489.17	2,345.66	514.13	360.00	1,116.09	35.05	500.77	1,310.84	229.05	.....	4,898.13	134.66	.....
Virginia.	273,383.50	223,548.20	309.03	9,345.44	5,016.37	1,406.44	142.40	219.44	88.85	24.39	753.01	484.86	.....	32,040.59	4.42	.....
Washington.	99,140.24	70,776.31	2,575.07	1,958.34	2,239.78	1,131.93	.....	319.76	3.15	73.45	1,146.73	.....	.....	18,915.72	.....	.....
West Virginia.	174,980.24	142,613.24	23.25	6,181.41	997.97	.....	.....	.....	.....	.....	.....	.....	.....	25,161.37	.....	.....
Wisconsin.	230,921.46	161,867.52	9,678.18	5,067.70	2,073.80	2,337.00	.65	1,597.65	28.51	131.20	835.90	404.55	.....	46,808.71	30.09	.....
Wyoming.	27,072.40	21,487.86	340.65	277.22	935.34	169.73	.....	166.22	.....	4.24	185.49	5.50	.....	3,495.80	4.35	.....
Total 1920.	18,545,531.23	16,504,139.88	88,762.06	172,238.09	137,006.94	69,008.23	7,971.87	531.64	4,054.75	7,506.82	46,714.19	8,817.06	55.30	1,352,168.94	13,652.92	96,842.54
1919.	4,680,000.00	3,071,110.81	74,395.21	160,661.72	169,834.54	71,291.75	5,442.34	322.72	6,019.80	7,938.18	101,829.37	8,882.79	143.20	866,209.15	11,574.50	82,343.92
1918.	3,680,000.00	2,490,553.01	80,514.35	117,041.17	121,669.00	60,453.20	5,465.22	424.60	2,168.48	8,707.54	70,359.60	4,811.39	.....	654,480.10	5,484.92	23,867.42
1917.	2,680,000.00	1,926,003.38	39,063.52	78,750.09	57,496.35	32,483.47	1,571.42	598.82	1,493.95	9,454.87	37,072.46	5,805.95	70.35	450,012.30	3,231.85	9,891.24
1916.	1,680,000.00	1,183,423.36	27,213.28	43,066.11	39,532.77	17,552.00	1,191.91	236.31	1,511.73	11,416.11	32,765.51	5,416.57	52.75	288,122.47	1,746.58	4,152.54
1915.	480,000.00	322,631.44	6,511.70	8,241.16	9,270.05	5,539.85	146.85	193.34	304.56	1,739.53	15,131.40	2,431.99	162.34	96,402.41	228.41	5,065.27



*Expenditures for cooperative agricultural extension work for the year ended June 30, 1920, by projects.*

EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (FEDERAL SMITH-LEVER).

State.	Total.	Adminis- tration.	Printing and dis- tribution of publi- cations.	County agent work.	Home demonstra- tion work.	Boys' club work.	Extension schools.	Home economics specialists. <sup>2</sup>	Animal husbandry.	Poultry.	Dairying.	Animal diseases.	Agron- omy.
Alabama.....	\$156,860.77	\$15,754.26	\$4,679.36	\$64,036.42	\$27,854.62	\$2,832.89	\$1,575.90	\$6,848.84	\$4,890.34	.....	\$1,474.70	\$681.40	\$6,528.31
Arizona.....	21,722.39	8,802.80	700.00	6,945.63	1,269.42	3,615.46	389.08	.....	.....	.....	.....	.....	.....
Arkansas.....	123,969.10	19,496.72	5,351.31	51,076.16	33,901.35	.....	538.37	1,552.82	2,349.47	\$2,615.19	565.11	.....	.....
California.....	85,422.61	8,184.08	57.07	42,532.57	22,735.27	6,519.52	.....	2,823.08	.....	.....	.....	.....	.....
Colorado.....	42,749.57	5,877.10	1,350.81	17,136.15	5,419.73	6,559.59	.....	.....	2,304.32	.....	.....	.....	1,618.41
Connecticut.....	19,547.51	3,170.76	.....	3,100.00	5,154.99	900.00	.....	.....	321.00	2,500.00	500.00	.....	1,800.76
Delaware.....	18,743.26	4,866.26	527.00	8,201.25	3,650.00	798.75	.....	.....	.....	.....	.....	.....	.....
Florida.....	54,327.47	10,203.31	3,408.93	22,034.57	8,917.24	5,830.65	.....	.....	3,547.77	.....	.....	320.00	.....
Georgia.....	182,018.70	.....	.....	119,019.99	62,909.06	.....	.....	.....	.....	.....	.....	.....	.....
Idaho.....	31,243.74	1,126.47	377.35	13,613.47	3,010.04	7,630.61	107.43	3,656.12	.....	.....	360.01	.....	735.58
Illinois.....	189,595.01	11,358.06	3,965.50	89,197.53	25,889.58	12,000.00	.....	23,888.18	5,973.02	.....	4,100.00	.....	6,300.00
Indiana.....	139,861.97	15,725.92	3,278.21	39,768.23	13,150.86	14,317.45	3,160.60	2,117.12	5,760.61	6,063.34	7,975.39	.....	8,890.45
Iowa.....	138,338.04	13,602.94	3,300.09	68,504.08	15,145.92	1,200.00	.....	1,100.00	1,800.00	2,400.00	4,885.10	800.00	10,450.00
Kansas.....	109,462.30	12,143.98	2,531.44	20,431.54	11,799.17	12,357.26	8,269.07	8,934.04	4,063.54	2,547.68	4,525.07	2,498.54	4,719.53
Kentucky.....	154,102.53	8,243.12	1,643.69	61,525.71	13,376.47	5,778.55	2,674.44	1,111.13	4,796.77	6,833.34	4,406.90	2,199.70	2,121.47
Louisiana.....	106,364.43	15,316.00	3,746.06	52,959.92	13,991.82	1,153.35	176.66	.....	380.80	3,661.84	2,736.95	.....	.....
Maine.....	39,986.58	7,492.71	929.88	19,798.68	1,584.85	4,046.17	.....	3,679.74	.....	.....	433.16	.....	.....
Maryland.....	62,836.00	12,553.24	2,000.00	25,184.93	15,591.98	3,716.66	.....	.....	.....	300.00	180.00	.....	200.00
Massachusetts.....	30,026.78	3,833.66	714.97	2,228.54	5,557.95	9,192.98	455.29	.....	2,814.41	74.16	1,912.85	.....	.....
Michigan.....	133,221.23	2,304.29	1,296.93	73,160.67	13,205.87	16,990.17	290.16	4,283.04	2,322.13	2,086.29	37.45	.....	4,509.56
Minnesota.....	111,809.73	11,046.82	3,578.54	34,697.24	17,661.85	17,038.81	1,459.98	9,970.00	.....	1,479.02	4,366.61	.....	1,000.00
Mississippi.....	142,083.88	8,534.76	1,285.60	51,522.28	41,519.29	13,736.29	.....	.....	3,839.36	.....	6,061.92	.....	.....
Missouri.....	167,400.22	14,441.75	10,278.28	63,630.37	25,354.80	12,222.99	.....	13,529.95	7,078.01	3,432.15	3,880.68	340.23	3,756.35
Montana.....	30,158.39	6,485.20	1,500.00	10,008.68	4,524.66	3,502.62	.....	1,974.99	500.00	.....	255.00	.....	.....
Nebraska.....	83,225.26	7,567.24	1,138.20	38,916.48	4,887.93	10,784.28	.....	5,373.66	622.77	3,313.02	466.59	600.00	1,945.34
Nevada.....	15,691.78	4,563.30	.....	4,170.53	1,333.53	4,557.83	.....	.....	.....	.....	.....	.....	.....
New Hampshire.....	24,578.62	4,765.32	1,536.10	8,643.71	6,325.11	2,964.96	.....	.....	.....	.....	.....	.....	.....
New Jersey.....	62,338.05	12,215.20	1,786.44	10,548.46	5,023.23	13,628.15	.....	3,482.11	.....	3,187.39	3,201.38	.....	1,750.26
New Mexico.....	33,323.58	14,051.01	1,416.94	14,559.34	2,096.29	1,200.00	.....	.....	.....	.....	.....	.....	.....
New York.....	170,191.92	6,737.39	3,742.34	45,489.21	26,969.60	13,394.31	8,674.51	25,002.30	3,106.26	4,087.78	2,003.13	.....	8,734.58
North Carolina.....	166,843.12	14,116.45	4,939.25	110,372.01	13,609.92	2,282.22	.....	.....	.....	.....	5,325.76	350.00	.....
North Dakota.....	52,689.12	18,916.53	.....	33,772.59	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ohio.....	184,636.38	17,153.86	7,362.99	79,892.72	15,442.66	15,078.25	852.26	10,079.25	1,405.34	1,268.12	3,660.74	563.74	7,441.27
Oklahoma.....	121,080.56	11,242.95	1,152.50	68,868.09	22,009.29	6,833.94	.....	.....	.....	3,286.58	3,600.13	.....	.....
Oregon.....	40,833.46	3,607.07	1,069.03	7,188.50	11,411.21	11,031.77	610.95	.....	331.56	585.58	.....	.....	1,207.15
Pennsylvania.....	3 194,872.91	10,432.41	6,048.64	145,441.90	.....	.....	.....	17,756.64	.....	.....	14,431.68	.....	.....

<sup>1</sup> Prior to 1920, this item included home economics specialists.

<sup>2</sup> Prior to 1920, included in home demonstration work.

<sup>3</sup> Pennsylvania unable to meet the full allotment to that State by \$67,234.37.



*Expenditures for cooperative agricultural extension work for the year ended June 30, 1920, by projects—Continued.*

EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (FEDERAL SMITH-LEVER)—Continued.

State.	Total.	Adminis- tration.	Printing and dis- tribution of publi- cations.	County agent work.	Home demonstra- tion work. <sup>1</sup>	Boys' club work.	Extension schools.	Home economics specialists. <sup>2</sup>	Animal husbandry.	Poultry.	Dairying.	Animal diseases.	Agron- omy.
Rhode Island....	\$11,491.82	\$3,677.72	\$163.23	\$1,789.79	\$2,140.88	\$2,813.80	.....	.....	.....	.....	\$876.27	.....	\$30.13
South Carolina....	117,222.87	15,371.31	2,352.55	43,445.60	25,798.60	5,162.78	.....	.....	.....	.....	2,024.25	.....	3,722.54
South Dakota....	52,140.38	9,641.53	2,227.79	13,917.85	2,883.39	7,589.42	.....	.....	.....	.....	.....	\$3,188.77	1,640.08
Tennessee....	154,873.58	15,863.74	5,019.81	46,906.52	37,352.22	2,377.77	\$3,607.15	.....	.....	.....	.....	.....	3,903.54
Texas....	255,792.71	29,601.11	5,005.51	133,700.51	35,003.06	9,192.03	.....	.....	.....	.....	.....	.....	.....
Utah....	26,651.01	4,508.63	465.94	15,494.55	3,403.38	2,196.37	.....	.....	.....	.....	.....	.....	.....
Vermont....	25,537.37	6,835.99	489.17	8,857.41	3,651.14	4,284.32	.....	.....	.....	.....	.....	.....	.....
Virginia....	141,691.75	24,775.60	4,716.60	96,888.77	3,557.55	5,619.94	.....	.....	.....	.....	.....	.....	.....
Washington....	54,570.12	8,516.06	1,885.57	16,846.17	4,910.48	11,463.81	.....	.....	.....	.....	.....	.....	.....
West Virginia....	92,490.12	11,456.42	2,815.93	35,736.46	12,511.20	18,070.10	.....	.....	.....	.....	.....	.....	.....
Wisconsin....	120,460.73	15,430.93	2,194.03	38,503.84	6,167.31	5,240.93	.....	.....	.....	.....	.....	.....	.....
Wyoming....	18,536.20	5,508.57	268.52	173.00	3,709.81	1,853.82	.....	.....	.....	.....	.....	.....	.....
Total, 1920....	34,512,765.63	497,185.75	113,328.01	1,980,498.67	643,380.58	319,561.57	35,041.37	169,269.04	87,871.04	67,003.77	102,469.90	12,947.38	97,415.30
1919....	2,580,000.00	497,041.99	105,120.93	655,145.98	395,631.98	142,219.87	46,439.03	.....	93,866.43	59,589.20	85,229.65	14,524.65	101,141.49
1918....	2,080,000.00	390,545.48	76,910.28	584,815.72	356,475.39	112,076.34	44,515.12	.....	68,268.80	40,519.09	67,341.75	14,790.71	75,316.76
1917....	1,580,000.00	249,738.80	43,881.48	453,417.17	261,229.14	105,290.22	69,425.12	.....	59,018.49	26,507.94	49,536.76	11,807.83	56,668.96
1916....	1,080,000.00	177,213.30	27,867.77	289,708.77	174,753.22	63,189.11	63,125.80	.....	30,305.43	21,168.07	38,365.08	9,593.93	35,352.22
1915....	480,000.00	86,278.39	8,241.16	128,083.33	69,890.05	32,944.29	33,821.65	.....	8,640.84	5,735.83	16,269.72	3,930.67	9,191.99

## EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (FEDERAL SMITH-LEVER).

State.	Horticulture.	Botany and plant pathology.	Entomology, apiculture, ornithology.	Forestry.	Agricultural engineering.	Farm management.	Rural organization.	Marketing.	Exhibits and fairs.	Miscellaneous specialists.	Rodent pests.	Balance.
Alabama.....	\$6,447.78	\$814.09	\$3,047.37		\$4,321.57	\$1,003.45		\$3,928.32		\$141.15		
Arizona.....						606.58						
Arkansas.....	365.58					1,379.98		5,550.44				
California.....						263.14				1,191.04		
Colorado.....						2,100.00		2,218.32				
Connecticut.....	300.00	400.00										
Delaware.....												
Florida.....												
Georgia.....					89.65							
Idaho.....	626.66											
Illinois.....	3,500.00					3,423.09						
Indiana.....	6,331.64	5,882.71	532.82		2,519.53	3,887.69						
Iowa.....	4,800.00				2,800.00	7,150.00		400.00				
Kansas.....	1,532.60		3,343.38		6,807.13	58.33	\$2,840.00					
Kentucky.....	1,600.46				476.07	2,320.07		4,764.45				\$30,230.19
Louisiana.....	10,554.85		1,434.61							428.23		
Maine.....						1,844.73						
Maryland.....	695.82	397.86	560.00		1,555.51							
Massachusetts.....	2,064.27					1,177.70						
Michigan.....	4,691.31		1,620.01	\$463.23	700.59	1,362.25		3,911.87				75.41
Minnesota.....	1,955.02	3,128.22				4,427.62						
Mississippi.....	3,500.00				7,146.21	1,819.61		4,938.14				
Missouri.....	2,890.63				2,225.96	1,196.45		2,458.46				
Montana.....						1,520.58		1,522.34				
Nebraska.....	3,079.43		775.74		2,523.25							
Nevada.....						343.42						
New Hampshire.....	7,515.43											
New Jersey.....												
New Mexico.....	3,176.97	7,313.48	3,389.75	689.44	1,755.45	4,372.95		1,500.00				42.27
New York.....	2,424.52	3,746.28	188.44	308.33	600.93	40.00		6,815.10	\$1,723.91			
North Carolina.....												
North Dakota.....												
Ohio.....	5,257.47	3,167.38	3,601.40		9,968.93	2,419.02						20.98
Oklahoma.....	532.60				3,257.53			276.95				
Oregon.....	440.79					484.18						
Pennsylvania.....				761.64								
Rhode Island.....												
South Carolina.....	5,824.38	1,208.25	2,252.21				719.87	1,944.97				
South Dakota.....	2,260.01		726.20			905.03						
Tennessee.....				15.54	3,311.45			4,847.08				18,052.42
Texas.....		7,065.74			3,000.15		5,100.24	16,261.15		2,231.66		

*Expenditures for cooperative agricultural extension work for the year ended June 30, 1920, by projects—Continued.*

EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (FEDERAL SMITH-LEVER)—Continued.

State.	Horticulture.	Botany and plant pathology.	Entomology, apiculture, ornithology.	Forestry.	Agricultural engineering.	Farm management.	Rural organization.	Marketing.	Exhibits and fairs.	Miscellaneous specialists.	Rodent pests.	Balance.
Utah.....					\$159.95							
Vermont.....					745.66	\$1,151.41						
Virginia.....	\$1,812.50				2,524.20	1.45						
Washington.....	1,748.30											
West Virginia.....	1,619.50	\$103.18										
Wisconsin.....	7,046.17	4,494.01	\$1,777.39		2,188.63							
Wyoming.....												
Total, 1920.....	94,734.69	38,021.20	23,249.32	\$2,218.18	58,678.38	45,240.73	\$8,660.11	\$61,803.38	\$1,723.91	\$3,992.08		\$48,421.27
1919.....	89,593.31	40,819.23	21,307.37	2,089.12	50,945.46	48,087.69	20,794.66	57,132.80	1,943.32	8,775.70	\$388.18	41,171.96
1918.....	73,870.57	24,800.53	7,659.64	1,201.41	21,119.45	34,733.81	13,744.60	33,629.68	2,680.84	17,186.07	864.25	11,933.71
1917.....	45,773.14	11,691.68	7,957.23	4,591.58	21,730.76	32,785.96	10,510.03	18,374.98	2,455.40	32,630.70		4,945.63
1916.....	42,949.87	6,801.49	4,603.57	358.45	15,680.02	34,004.56	3,197.59	7,204.80	2,748.84	31,731.84		2,076.27
1915.....	16,309.53	400.00	440.00		1,180.15	4,399.31	125.00	2,298.60	3,712.95	43,070.27		5,065.27



## EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (STATE SMITH-LEVER).

State.	Total.	Adminis- tration.	Printing and dis- tribution of publi- cations.	County agent work.	Home demonstra- tion work. <sup>1</sup>	Boys' club work.	Extension schools.	Home economics specialists. <sup>2</sup>	Animal husbandry.	Poultry.	Dairying.	Animal diseases.	Agron- omy.
Alabama.....	\$146,860.77	\$1,402.99	\$895.19	\$91,296.85	\$44,215.30	\$2,772.46			\$278.36	\$900.00	\$642.90		\$740.39
Arizona.....	11,722.39	1,006.79	476.66	5,360.55	2,914.49	1,963.90							
Arkansas.....	113,969.10	6,970.32	2,244.23	67,729.95	32,525.46			\$1,006.47	598.68	706.22	315.69		
California.....	75,422.61	44.75		61,632.14	3,000.00	8,249.96							
Colorado.....	32,749.57	2,772.15	714.94	16,914.93	3,012.80	3,490.25			1,441.37				1,504.88
Connecticut.....	9,547.51			3,900.00	744.52	4,902.99							
Delaware.....	8,743.26	1,635.26	527.00	2,051.94	1,005.62	2,670.93				1,371.08		\$160.00	
Florida.....	44,327.47	21.05	252.42	10,380.68	26,407.24	5,695.00			4,719.34	2,415.36	3,925.48	1,639.14	11,241.50
Georgia.....	172,018.70	26,316.32	7,709.44	48,511.39	34,412.53	7,469.45	\$8,060.60						
Idaho.....	21,243.74			11,395.97	1,847.50	5,504.77							
Illinois.....	179,595.01			179,595.01									
Indiana.....	129,361.97			129,361.97									
Iowa.....	128,338.04	28,107.00	3,000.10	45,766.94	4,454.00	7,860.00		5,600.00	5,200.00	6,600.00	4,300.00	2,650.00	
Kansas.....	99,462.30			88,056.15	4,086.50	1,006.72	1,342.40						
Kentucky.....	144,102.53	13,981.13		55,155.27	31,996.32	2,815.38		3,000.53	814.05	550.01	787.50	500.00	230.00
Louisiana.....	96,384.43	1,644.56	25.13	66,795.77	15,670.69	8,253.44		2,337.48	256.04	17.05	69.64		
Maine.....	29,986.58	6,917.08	50	16,295.69	2,918.19				1,583.39	2,261.73			
Maryland.....	52,936.00	6,183.68	1,026.58	19,002.18	9,650.35	1,800.00			4,000.81	2,872.70	1,299.73		2,819.68
Massachusetts.....	20,026.78	268.15	30.10	4,233.40	1,915.99	3,941.52			1,200.62	2,523.18	1,466.77		
Michigan.....	123,221.23	8,180.23	1,798.55	53,353.91	6,818.43	13,157.21	1,869.80	6,215.50	1,750.94	2,819.58	454.80		6,628.31
Minnesota.....	101,809.73			101,809.73									
Mississippi.....	132,083.88	5,327.52	1,765.48	58,863.14	46,808.53	4,475.16	1,809.54		1,942.02				
Missouri.....	157,400.22	3,909.07	338.64	112,547.68	23,654.01	4,642.66		3,683.78	1,971.61	1,556.66	1,285.66	19.19	926.05
Montana.....	20,158.39			17,855.05	2,303.341								
Nebraska.....	73,225.26	4,261.87	975.48	40,412.31	3,931.36	6,999.99		4,271.31	1,114.01	2,633.99	430.04		940.79
Nevada.....	5,691.78	532.88	45.08	917.79	1,075.98	3,019.02					101.03		
New Hampshire.....	14,578.62	2,338.22		6,833.64	900.00			900.00					700.00
New Jersey.....	52,338.05	4,200.60	407.15	32,929.35	3,453.33	4,492.94							
New Mexico.....	23,323.58	1,409.01	932.77	5,318.08	1,531.13	8,700.05							
New York.....	160,191.92	13,611.92	1,516.13	45,282.93	18,430.26	1,500.00	18,199.61	7,480.93	9,569.64	5,100.00	2,183.33	1,707.81	7,008.24
North Carolina.....	156,843.12	2,195.03	4,835.87	48,015.93	62,955.03		2,129.20		8,917.58		1,295.50	3,945.00	10,410.17
North Dakota.....	42,689.12	1,249.81	532.39	14,853.33	8,137.67	12,366.05			665.97			684.90	
Ohio.....	174,636.38	11,024.05	111.08	124,800.84	651.77		1,210.00	1,249.98	4,783.36	5,065.49	2,775.38	700.00	6,644.06
Oklahoma.....	111,080.56	10,174.58	4,575.08	55,788.06	23,648.91	4,550.15		7,863.73	1,600.00	1,604.02	3.70		450.00
Oregon.....	30,383.46	4,016.67	1,000.00	12,014.47	1,750.00	4,913.87		4,550.13		430.12	2,475.00		9,837.75
Pennsylvania.....	184,872.91	5,464.27	224.00	52,907.77	3,878.82	6,568.99		50,205.81	12,486.23	10,835.23			
Rhode Island.....	1,491.82	932.85	199.36	129.53	74.67						21.71		
South Carolina.....	107,222.87	11,957.38	1,660.24	57,710.82	18,126.59	665.35		111.70	3,230.27	230.12	2,318.74		2,779.89

<sup>1</sup> Prior to 1920, this item included home economics specialists.<sup>2</sup> Prior to 1920, included in home demonstration work.

\* Pennsylvania unable to meet the full allotment to that State by \$67,234.37.

*Expenditures for cooperative agricultural extension work for the year ended June 30, 1920, by projects—Continued.*

EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (STATE SMITH-LEVER)—Continued.

State.	Total.	Adminis- tration.	Printing and dis- tribution of publi- cations.	County agent work.	Home demonstra- tion work. <sup>1</sup>	Boys' club work.	Extension schools.	Home economists specialists. <sup>2</sup>	Animal husbandry.	Poultry.	Dairying.	Animal diseases.	Agron- omy.
South Dakota...	\$42,140.38	\$8,885.31	\$186.79	\$17,551.35	\$1,856.46	\$7,170.05	\$3,761.02					\$1,100.85	
Tennessee...	144,873.58	15,799.28	3,811.60	65,664.12	41,141.16	13,312.16	375.00						
Texas...	245,792.71	3,336.93	6,088.94	142,861.54	44,563.87	1,175.00		\$6,029.88	\$5,201.69	\$4,014.35	\$1,554.72		
Utah...	16,651.01	1,448.83		12,514.99	1,512.19	1,386.09							
Vermont...	15,537.37	2,109.25		7,600.63	3,063.49								
Virginia...	131,691.75		4,628.84	48,179.91	42,843.17			8,267.96	4,306.47	3,558.99	1,367.91		
Washington...	44,570.12	5,835.93	72.77	18,513.55	800.70	2,318.20	1,195.03	863.08	2,489.69		6,791.04		\$2,102.74
West Virginia...	82,490.12	10,153.51	3,365.48	49,096.35	5,036.07	3,481.74			2,414.44	1,316.03	5,262.70		2,176.82
Wisconsin...	110,460.73	5,563.45	2,873.67	73,422.67		612.62	7,067.09	898.95	1,605.00	1,012.22	4,347.40	1,028.26	1,730.00
Wyoming...	8,536.20	5,404.50	8.70	3,123.00									1,438.20
Total, 1920...	34,032,765.63	247,554.18	58,956.38	2,201,209.25	589,724.44	178,287.12	47,019.29	117,032.75	81,244.58	61,520.81	50,416.25	14,135.15	70,309.47
1919...	2,100,000.00	252,329.45	55,510.79	941,902.93	292,869.64	112,706.28	28,667.68		55,747.75	31,779.81	48,483.73	11,498.94	42,585.94
1918...	1,600,000.00	178,212.44	40,130.89	766,416.54	197,262.21	80,315.51	35,850.11		44,274.89	22,973.75	45,155.37	8,054.15	44,613.67
1917...	1,100,000.00	97,302.53	34,819.50	541,495.05	126,235.78	50,209.68	35,501.94		27,199.22	12,722.78	24,306.88	5,230.27	26,433.67
1916...	600,000.00	90,055.50	15,198.34	283,077.42	68,468.44	28,473.54	25,754.65		7,305.47	7,102.61	9,905.43	2,406.88	9,439.85

## EXPENDITURES FROM THE THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (STATE SMITH-LEVER).

State.	Horticulture.	Botany and plant pathology.	Entomology, apiculture, ornithology.	Forestry.	Agricultural engineering.	Farm management.	Rural organization.	Marketing.	Exhibits and fairs.	Miscellaneous specialists.	Rodent pests.	Balance.
Alabama.....	\$1,911.92	\$29.17	\$1,141.90		\$150.00			\$483.34				
Arizona.....												
Arkansas.....	716.55					\$27.81		1,127.72				
California.....										\$2,495.76		
Colorado.....						1,523.26		1,374.99				
Connecticut.....												
Delaware.....	73.50	779.01										
Florida.....												
Georgia.....	6,317.17			\$805.89	3,816.73			2,687.31	\$1,971.05			
Idaho.....												
Illinois.....												
Indiana.....												
Iowa.....	7,100.00				5,400.00			2,300.00				
Kansas.....						1,970.00						
Kentucky.....	2,460.00				851.20	124.00		1,270.00				\$30,230.19
Louisiana.....	148.35		1,240.80					343.08				
Maine.....												
Maryland.....	3,068.60						\$1,151.69					
Massachusetts.....	2,564.51					282.38		1,600.16				
Michigan.....	8,706.98		2,573.79	900.00	1,875.38	609.26		5,403.15				75.41
Minnesota.....												
Mississippi.....	3,071.16		3,031.26			1,020.06		3,970.01				
Missouri.....	892.29				771.25	347.91		853.76				
Montana.....												
Nebraska.....	2,179.74		492.08		2,341.92	1,474.92		765.45				
Nevada.....												
New Hampshire.....						1,917.16						
New Jersey.....	2,680.00											
New Mexico.....												
New York.....	5,250.00	5,750.00	3,950.00	2,000.00	6,416.66	4,900.00		2,129.93		1,594.80		
North Carolina.....	974.26		276.66	1,849.98	2,792.43	210.00		1,000.00	1,000.00			42.27
North Dakota.....	210.48	264.86	804.97			1,668.71		5,040.52	999.96			
Ohio.....	1,350.00		363.64		905.69	1,816.16						20.98
Oklahoma.....	3,088.57				2,976.65			450.00			\$127.51	
Oregon.....						833.33						
Pennsylvania.....	8,431.99	10,777.04	4,575.83			3,279.91	5,399.27					
Rhode Island.....												
South Carolina.....	2,590.94	1,213.63	1,654.87				1,033.83	1,938.50				
South Dakota.....						1,628.55						
Tennessee.....												
Texas.....		10,265.18					5,134.15			3,396.30		18,052.42



*Expenditures for cooperative agricultural extension work for the year ended June 30, 1920, by projects—Continued.*

## EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (STATE SMITH-LEVER)—Continued.

State.	Horticul- ture.	Botany and plant path- ology.	Entomol- ogy, api- culture, ornithology.	Forestry.	Agricul- tural engi- neering.	Farm man- agement.	Rural or- ganization.	Marketing.	Exhibits and fairs.	Miscella- neous specialists.	Rodent pests.	Balance.
Utah.....												
Vermont.....						\$10.00						
Virginia.....	\$8,032.85				\$12,889.75							
Washington.....	760.13					1,645.10					\$1,799.58	
West Virginia.....	3,541.71	\$434.25	\$836.84									
Wisconsin.....			69.26		11,520.20							
Wyoming.....												
Total, 1920.....	76,121.70	29,513.14	21,011.90	\$5,555.87	42,707.86	25,288.52	\$12,718.94	\$32,737.92	\$3,971.01	\$9,380.74	1,927.09	\$48,421.27
1919.....	37,705.66	19,646.78	10,750.04	3,759.50	26,472.85	21,327.94	13,077.73	31,572.65	5,104.36	10,134.00	1,163.59	41,171.96
1918.....	22,294.37	19,659.97	9,904.89	1,184.10	20,830.86	13,135.06	13,798.22	20,502.90	3,128.85		367.54	11,943.71
1917.....	18,181.43	18,643.05	7,030.07	3,171.32	12,420.99	15,638.37	12,636.50	9,544.02	2,839.67	12,489.65		4,945.63
1916.....	9,911.70	5,388.86	3,550.81	1,498.89	3,003.55	6,055.04	12,279.09	1,850.19	3,434.64	3,742.83		2,073.27

## EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (FEDERAL AND STATE SMITH-LEVER).

State.	Total.	Adminis- tration.	Printing and dis- tribution of publi- cations.	County agent work.	Home demonstra- tion work. <sup>1</sup>	Boys' club work.	Extension schools.	Home economics specialists. <sup>2</sup>	Animal husbandry.	Poultry.	Dairying.	Animal diseases.	Agron- omy.
Alabama.....	\$303,721.54	\$17,157.25	\$5,574.55	\$155,333.27	\$72,069.92	\$5,605.35	\$1,575.90	\$6,848.84	\$5,168.70	\$900.00	\$2,117.60	\$381.40	\$7,268.70
Arizona.....	33,414.78	9,809.59	1,176.66	12,306.18	4,183.91	5,579.36	389.08				880.80		
Arkansas.....	237,938.20	26,467.04	7,595.54	118,803.11	66,426.81		538.37	2,559.29	2,948.15	3,321.41			
California.....	8,228.83	8,228.83	57.07	104,164.71	25,735.27	14,769.48		2,823.08					3,123.29
Colorado.....	75,439.14	8,649.25	2,065.75	34,051.08	8,432.53	10,049.84			3,745.69		500.09		1,800.76
Connecticut.....	29,095.02	3,170.76		7,000.00	5,899.51	5,802.99			321.00	2,500.00			
Delaware.....	27,486.52	6,501.52	1,054.00	10,253.19	4,655.62	3,469.68			3,547.77	1,371.08		480.00	
Florida.....	98,651.94	10,289.36	3,701.35	32,415.25	35,324.48	11,525.65			4,719.34	2,415.36	3,925.48	1,639.14	11,241.50
Georgia.....	354,037.40	26,316.32	7,709.44	167,531.38	97,321.59	7,469.45	8,060.60	6,151.62			360.01		735.58
Idaho.....	52,487.48	1,126.47	377.35	25,069.41	4,857.54	13,135.38	107.43		5,973.02				6,300.00
Illinois.....	369,190.02	11,358.06	3,965.50	268,792.59	25,889.58	12,000.00		23,888.18			4,100.00		8,890.45
Indiana.....	268,723.94	15,725.92	3,278.21	169,130.20	13,150.86	14,317.45	3,160.00	2,117.12	5,760.61	6,033.34	7,975.39		10,450.00
Iowa.....	295,676.08	41,709.94	6,300.10	114,271.02	19,599.92	9,030.00		6,700.00	7,000.00	9,030.00	9,185.10	3,450.00	4,719.53
Kansas.....	208,924.60	12,143.98	2,531.44	108,487.69	15,885.67	13,363.98	9,611.47	11,934.57	4,063.54	2,547.68	5,525.07	2,498.54	2,351.47
Kentucky.....	298,205.06	22,224.25	1,643.69	116,680.98	45,372.79	8,593.93	2,674.44	3,448.61	5,610.82	7,383.35	5,194.40	2,699.70	
Louisiana.....	202,728.86	16,960.56	3,771.19	119,753.69	29,662.51	9,412.79	176.66		633.84	3,678.89	2,806.59		
Maine.....	69,973.16	14,499.79	930.38	35,094.37	4,503.04	4,046.17		3,679.74	1,593.39	2,261.73	433.16		
Maryland.....	115,872.00	18,736.92	3,026.58	44,187.11	25,242.33	5,576.66			4,000.81	3,172.70	1,473.73		3,019.68
Massachusetts.....	50,053.56	4,101.81	745.07	6,461.94	7,473.94	13,134.50	455.29		4,015.03	2,597.34	3,379.62		11,137.87
Michigan.....	259,442.46	10,484.52	3,095.48	126,514.58	20,024.30	30,147.38	2,069.96	10,498.54	4,073.07	4,935.87	492.25		1,000.00
Minnesota.....	213,619.46	11,046.82	3,578.54	136,506.97	17,631.85	17,038.81	1,459.98	9,970.00		1,479.02	4,335.61		
Mississippi.....	274,167.76	13,862.28	3,051.08	110,385.42	88,327.82	18,211.45	1,809.54		5,781.38		6,061.92	339.42	4,682.40
Missouri.....	324,800.44	18,350.82	10,616.92	176,238.05	49,008.81	16,865.65		17,213.73	9,049.62	4,988.81	5,166.34		
Montana.....	50,316.78	6,485.20	1,500.00	27,863.73	6,828.00	3,592.62		1,974.99	503.00		685.04		2,886.13
Nebraska.....	156,450.52	11,829.11	1,113.68	79,328.79	8,819.29	17,784.27		9,644.97	1,736.78	5,947.01	567.62	600.00	
Nevada.....	31,383.56	5,096.18	45.08	5,088.32	2,409.51	7,576.85					2,529.60		
New Hampshire.....	39,157.24	7,163.54	1,536.10	15,477.35	7,225.11	2,964.96					4,749.38	1,707.81	2,450.26
New Jersey.....	114,676.10	16,415.80	2,253.59	43,377.81	8,476.56	18,121.09		4,382.11					15,712.82
New Mexico.....	56,647.16	15,469.02	2,349.71	19,877.42	3,627.42	9,900.05							10,410.17
New York.....	330,383.84	20,349.51	5,258.47	90,772.14	45,399.86	14,891.31	26,874.12	32,183.23	12,675.90	9,187.78	4,186.46	4,293.00	
North Carolina.....	323,686.24	16,311.48	9,775.12	158,387.94	76,564.95	2,282.22	2,129.20		8,917.58		6,621.26	684.90	
North Dakota.....	95,378.24	20,166.34	532.39	48,625.92	8,137.67	12,366.05		1,249.98	665.97				14,085.33
Ohio.....	359,272.76	28,177.91	7,474.07	204,693.56	16,094.43	19,628.40	2,062.26	17,942.98	6,188.70	6,333.61	6,436.12	1,263.74	
Oklahoma.....	232,161.12	21,417.53	2,767.58	124,656.15	45,658.20	10,927.29		4,550.13					1,657.15
Oregon.....	70,766.92	8,523.74	2,069.03	19,202.97	13,161.21	15,945.64	610.95		1,931.56	1,015.70	4,890.67		9,837.75
Pennsylvania.....	379,745.82	15,896.68	6,272.64	198,349.67	3,885.82	6,568.99		67,962.45	12,486.23	10,835.23	14,431.68		

<sup>1</sup> Prior to 1920, this item included home economics specialists.<sup>2</sup> Prior to 1920, included in home demonstration work.<sup>3</sup> Pennsylvania unable to meet the full allotment to that State by \$67,234.37.

*Expenditures for cooperative agricultural extension work for the year ended June 30, 1920, by projects—Continued.*

EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (FEDERAL AND STATE SMITH-LEVER)—Continued.

State.	Total.	Adminis- tration.	Printing and dis- tribution of publi- cations.	County agent work.	Home demonstra- tion work.	Boys' club work.	Extension schools.	Home economics specialists.	Animal husbandry.	Poultry.	Dairying.	Animal diseases.	Agron- omy.
Rhode Island.....	\$12,983.64	\$4,610.57	\$332.59	\$1,919.32	\$2,215.55	\$2,977.50	.....	\$3,503.83	\$5,500.77	\$1,933.05	\$897.98	.....	\$30.13
South Carolina.....	224,445.74	27,328.69	4,042.79	101,156.42	43,925.19	5,828.13	.....	.....	3,848.86	.....	4,342.99	.....	6,502.43
South Dakota.....	94,280.76	18,526.84	2,414.58	31,469.20	4,739.85	14,759.47	\$3,761.02	.....	5,691.07	3,514.93	4,721.64	\$4,289.62	1,640.08
Tennessee.....	299,747.16	31,663.02	8,861.41	112,570.64	78,493.38	2,377.77	3,982.15	.....	8,989.61	7,238.21	2,576.24	.....	3,903.54
Texas.....	501,585.42	32,938.04	11,091.45	276,562.05	79,572.93	22,534.19	.....	10,025.28	.....	.....	.....	600.00	.....
Utah.....	43,302.02	5,957.46	465.94	28,009.54	4,915.57	3,371.37	.....	.....	.....	.....	289.37	.....	132.82
Vermont.....	41,074.74	8,945.24	489.17	16,458.04	6,714.63	5,670.41	.....	.....	.....	.....	1,035.84	.....	.....
Virginia.....	273,383.50	24,775.60	9,345.41	145,058.68	46,400.72	5,619.94	.....	9,366.86	4,396.47	4,517.76	8,278.53	.....	2,102.74
Washington.....	99,140.24	14,351.99	1,958.34	35,339.72	5,711.18	13,782.01	1,722.60	6,238.91	2,587.13	3,115.55	5,335.90	.....	2,776.86
West Virginia.....	174,980.24	21,909.93	6,181.41	84,832.81	17,547.27	21,551.84	668.66	.....	5,645.01	.....	2,710.72	1,833.26	3,255.14
Wisconsin.....	230,921.46	20,991.38	5,067.70	111,926.51	6,167.31	5,883.55	8,160.98	9,142.75	11,616.70	4,393.79	9,462.94	.....	11,009.19
Wyoming.....	27,072.40	10,913.07	277.22	3,295.00	3,709.81	1,853.82	.....	.....	728.50	2,730.71	982.27	.....	2,581.00
Total, 1920.....	3,851,531.26	744,739.93	172,284.39	4,184,707.92	1,233,105.02	497,848.69	82,060.66	286,301.79	172,115.62	128,524.58	152,886.15	27,082.53	167,724.77
1919.....	4,680,000.00	749,371.44	160,661.72	1,597,048.91	689,501.62	255,926.15	75,105.71	.....	149,614.18	94,369.01	133,713.38	26,023.59	143,727.43
1918.....	3,680,000.00	568,757.92	117,041.17	1,351,232.26	553,737.60	192,391.85	80,355.23	.....	112,543.69	63,492.84	112,497.12	22,844.86	119,930.43
1917.....	2,680,000.00	347,041.33	78,700.98	994,912.22	387,404.92	155,499.90	105,927.06	.....	86,217.71	39,230.72	73,843.64	17,038.10	83,102.63
1916.....	1,680,000.00	267,268.80	43,066.11	572,786.19	243,221.66	91,662.65	88,880.45	.....	37,610.90	28,270.68	48,270.51	12,000.81	44,792.07

<sup>3</sup> Pennsylvania unable to meet the full allotment to that State by \$67,234.37.



## EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (FEDERAL AND STATE SMITH-LEVER).

State.	Horticulture.	Botany and plant pathology.	Entomology, apiculture, ornithology.	Rodent pests.	Forestry.	Agricultural engineering.	Farm management.	Rural organization.	Marketing.	Exhibits and fairs.	Miscellaneous specialists.	Balance.
Alabama.....	\$8,359.70	\$843.26	\$4,189.27			\$4,471.57	\$1,003.45		\$4,411.66		\$141.15	
Arizona.....							634.39		6,678.16			
Arkansas.....	1,082.13						1,379.98				3,686.80	
California.....							1,788.40		3,593.31			
Colorado.....							2,100.00					
Connecticut.....	373.50											
Delaware.....		1,179.01										
Florida.....												
Georgia.....	6,317.17				\$805.89	3,906.38			2,687.31	\$1,971.05		
Idaho.....	626.66											
Illinois.....	3,500.00						3,423.09					
Indiana.....	6,331.64	5,882.71	532.82			2,519.53	3,887.69					
Iowa.....	11,900.00					8,200.00	7,150.00		2,700.00			
Kansas.....	1,592.60		3,343.38			8,807.13	2,028.33	\$2,840.00				
Kentucky.....	4,060.46					1,327.27	2,444.07		6,034.45			\$60,460.28
Louisiana.....	10,703.20		2,675.41						343.08		2,322.11	
Maine.....							1,844.73					
Maryland.....	3,764.42	397.86	560.00			1,555.51		1,151.69				
Massachusetts.....	4,628.78						1,460.08		1,600.16			
Michigan.....	13,398.29		4,193.80		1,363.23	2,575.97	1,971.51		9,315.02			150.82
Minnesota.....	1,955.02	3,128.22					4,427.62					
Mississippi.....	6,571.16		3,031.26			7,146.24	1,020.06		8,908.15			
Missouri.....	3,782.92					2,997.21	2,167.52		3,312.22			
Montana.....							1,196.45		465.79			
Nebraska.....	5,259.17		1,267.82			4,865.17	2,995.50		2,287.79			
Nevada.....												
New Hampshire.....							2,260.58					
New Jersey.....	10,195.43											
New Mexico.....												
New York.....	8,426.97	13,063.48	7,339.75		2,699.44	8,172.11	9,272.95		2,129.93		1,594.80	
North Carolina.....	3,398.78	3,746.28	465.10		2,158.31	3,393.36	250.00		2,500.00	1,000.00		84.54
North Dakota.....	210.48	264.86	804.97				1,668.71		11,855.62	2,723.87		
Ohio.....	6,607.47	3,167.38	3,965.04			10,874.62	4,235.18					41.96
Oklahoma.....	3,641.17			\$127.51		6,234.18			726.95			
Oregon.....	440.79						1,317.51					
Pennsylvania.....	8,431.99	10,777.04	4,575.83		761.64		3,279.91	5,399.27				
Rhode Island.....												
South Carolina.....	8,415.32	2,421.88	3,907.08					1,753.70	3,883.47			
South Dakota.....	2,260.01		726.20				2,533.58		4,847.08			
Tennessee.....					15.54	3,311.45						36,104.84
						3,000.15						

*Expenditures for cooperative agricultural extension work for the year ended June 30, 1920, by projects—Continued.*

EXPENDITURES FROM THE UNITED STATES APPROPRIATION OF MAY 8, 1914 (FEDERAL AND STATE SMITH-LEVER)—Continued.

State.	Horticulture.	Botany and plant pathology.	Entomology, apiculture, ornithology.	Rodent pests.	Forestry.	Agricultural engineering.	Farm management.	Rural organization.	Marketing.	Exhibits and fairs.	Miscellaneous specialists.	Balance.
Texas.....		\$17,330.92				\$159.95		\$10,234.39	\$16,261.15		\$5,627.96	
Utah.....							\$1,161.41					
Vermont.....						3,635.41						
Virginia.....	\$9,875.35		\$836.84	\$1,799.58		2,524.20	1,646.55					
Washington.....	2,508.43											
West Virginia.....	5,191.21	837.43										
Wisconsin.....	7,046.17	4,494.01	1,846.65			13,708.83						
Wyoming.....												
Total, 1920.....	170,856.39	67,534.34	44,261.22	1,927.09	\$7,804.05	101,386.24	70,549.25	21,379.05	94,541.30	\$5,694.92	13,372.82	\$96,842.54
1919.....	127,298.97	60,466.01	32,057.41	1,531.77	5,848.62	77,418.31	67,123.17	33,605.38	88,705.45	7,047.68	21,469.17	82,343.92
1918.....	96,164.94	44,460.50	17,564.53	1,231.79	2,385.51	44,950.31	47,898.87	29,542.82	54,132.58	5,809.69	17,186.07	23,867.42
1917.....	63,956.57	30,334.73	14,987.30		7,762.90	34,151.75	48,425.33	23,146.53	27,919.00	5,295.07	45,150.35	9,831.26
1916.....	52,861.57	12,190.35	8,164.38		1,837.34	18,683.57	40,009.60	15,476.68	9,054.99	4,183.48	35,474.67	4,152.54

*Sources of offset to Federal Smith-Lever funds for the year ending June 30, 1920.*

State.	Total.	State.	County.	College.	Other.	Balance.
Alabama.....	\$146,860.77	\$67,740.15	\$78,050.74		\$1,069.88	
Arizona.....	11,722.39	11,722.39				
Arkansas.....	113,969.10	68,389.23		\$45,579.87		
California.....	75,422.61	75,422.61				
Colorado.....	32,749.57	23,368.02	9,381.55			
Connecticut.....	9,547.51	9,547.51				
Delaware.....	8,743.26	5,544.51			3,198.75	
Florida.....	44,327.47	28,110.10	16,217.37			
Georgia.....	172,018.70	109,085.04	62,933.66			
Idaho.....	21,243.74	21,243.74				
Illinois.....	179,595.01	81,599.72			97,995.29	
Indiana.....	129,361.97	75,119.62	53,942.35			
Iowa.....	128,338.04	78,921.10	49,416.94			
Kansas.....	99,462.30	63,073.65	36,388.65			
Kentucky.....	144,102.53	66,665.51	47,203.83			\$30,230.19
Louisiana.....	96,354.43	48,500.00		2,849.96	5,914.47	
Maine.....	29,986.58	29,986.58				
Maryland.....	52,936.00	52,936.00				
Massachusetts.....	20,023.78	20,026.78				
Michigan.....	123,221.23		71,911.37	51,234.45		75.41
Minnesota.....	101,809.73	81,540.61	20,269.12			
Mississippi.....	132,083.88	61,300.00	70,783.88			
Missouri.....	157,406.22	47,012.64			110,387.58	
Montana.....	20,158.39	20,158.39				
Nebraska.....	73,225.26		15,524.48	57,700.78		
Nevada.....	5,691.78	5,691.78				
New Hampshire.....	14,578.62	9,244.98	5,333.64			
New Jersey.....	52,338.05	40,000.00	12,338.05			
New Mexico.....	23,323.58	23,323.58				
New York.....	160,191.92	160,149.65				42.27
North Carolina.....	156,843.12	68,948.00	57,381.63	30,513.49		
North Dakota.....	42,689.12	32,277.00	10,412.12			
Ohio.....	174,636.38	105,792.94	68,822.46			20.98
Oklahoma.....	111,080.56	111,080.56				
Oregon.....	30,383.46	30,383.46				
Pennsylvania.....	<sup>1</sup> 184,872.91	131,981.29	52,891.62			
Rhode Island.....	1,491.82		83.34	1,408.48		
South Carolina.....	107,222.87	67,994.99	39,227.88			
South Dakota.....	42,140.38	26,723.17	15,417.21			
Tennessee.....	144,873.58	38,000.00	86,821.16	2,000.00		18,052.42
Texas.....	245,792.71	147,960.03	97,832.68			
Utah.....	16,651.01	16,651.01				
Vermont.....	15,537.37	15,537.37				
Virginia.....	131,691.75	70,844.79	60,846.96			
Washington.....	44,570.12	28,263.98	16,306.14			
West Virginia.....	82,490.12	45,431.11	37,059.01			
Wisconsin.....	110,460.73	110,460.73				
Wyoming.....	8,536.20	5,413.20	3,123.00			
Total, 1920.....	14,032,765.63	2,439,467.52	1,095,923.84	191,287.03	257,665.97	48,421.27
1919.....	2,100,000.00	1,539,300.08	316,367.59	46,766.34	156,394.03	41,171.96
1918.....	1,600,000.00	1,262,305.01	215,077.20	51,025.46	59,658.62	11,933.71
1917.....	1,100,000.00	893,058.99	94,556.74	59,055.32	48,383.33	4,945.62
1916.....	600,000.00	470,649.42	69,226.79	26,834.76	31,212.76	2,076.27

<sup>1</sup> Pennsylvania unable to meet the full allotment to that State by \$67,234.37.



Total expenditures of funds from all sources for cooperative agricultural extension work for the year ended June 30, 1920.

BY SOURCES OF FUNDS.

State.	Total.	United States Department of Agriculture.			Smith-Lever.		State.	County.	College.	Other.
		Farmers' cooperative demonstration work.	Other bureaus.		Federal.	State.				
Alabama.....	\$346, 231.58	\$35, 723.82	\$5, 403.61		\$156, 860.77	\$146, 860.77		\$13, 713.86		\$1, 587.61
Arizona.....	81, 889.14	12, 278.29	9, 158.00		21, 722.39	11, 722.39		114, 440.90		
Arkansas.....	396, 791.95	35, 487.09	7, 589.82		123, 969.10	113, 969.10		108, 007.00	\$18, 738.69	
California.....	321, 998.47	20, 845.71	13, 568.85		85, 422.61	75, 422.61		53, 022.16		672.05
Colorado.....	170, 634.87	21, 537.67	9, 595.73		42, 749.57	32, 749.57		87, 500.34		
Connecticut.....	192, 438.82	17, 321.59	1, 945.78		19, 547.51	9, 547.51		20.00		
Delaware.....	34, 546.60	7, 040.08			18, 743.25	8, 743.26		44, 367.61	1, 380.00	4, 663.16
Florida.....	181, 395.33	20, 733.04	6, 440.85		54, 327.47	44, 327.47		53, 688.37		
Georgia.....	458, 621.71	42, 394.73	8, 501.21		182, 018.70	172, 018.70		112, 600.09		
Idaho.....	324, 604.98	25, 633.75	9, 959.00		31, 243.74	21, 243.74		6, 000.03		
Illinois.....	682, 877.22	13, 165.46	13, 165.46		189, 595.01	179, 595.01				
Indiana.....	419, 888.22	10, 583.37	22, 198.03		139, 361.97	129, 361.97		56, 725.84		274, 500.07
Iowa.....	758, 782.86	15, 592.15	18, 134.55		138, 338.04	128, 338.04		224, 256.82		15, 833.43
Kansas.....	325, 247.40	8, 228.72	6, 655.18		109, 462.30	99, 462.30		45, 745.21	39, 310.69	202, 890.18
Kentucky.....	275, 789.12	30, 244.44	1, 803.00		123, 872.34	113, 872.34		5, 000.00		17, 382.00
Louisiana.....	271, 431.94	33, 848.02	2, 734.74		106, 364.43	96, 364.43		31, 479.72		1, 007.00
Maine.....	88, 984.52	17, 640.01			39, 985.58	29, 985.58			1, 371.35	640.60
Maryland.....	207, 317.47	19, 614.76	1, 503.00		62, 935.00	52, 935.00		26, 667.00		
Massachusetts.....	370, 357.12	22, 010.72	1, 723.34		30, 026.78	20, 026.78		238, 216.00		
Michigan.....	366, 581.03	8, 902.36	17, 363.59		133, 145.82	123, 145.82		78, 947.09	5, 076.35	
Minnesota.....	467, 882.56	14, 368.88	14, 843.52		111, 809.73	101, 809.73		129, 732.11	30, 985.40	45, 791.07
Mississippi.....	408, 234.53	36, 248.87	17, 926.97		112, 083.88	132, 083.88		66, 294.10		3, 828.41
Missouri.....	339, 809.42	9, 815.26	2, 888.39		167, 400.22	157, 400.22		2, 305.33		
Montana.....	204, 618.97	27, 966.44	12, 761.02		30, 158.39	20, 158.39		44, 779.09	3, 835.11	
Nebraska.....	248, 189.11	13, 384.68	15, 821.45		83, 225.26	73, 225.26		58, 370.49	4, 115.07	
Nevada.....	96, 052.25	10, 838.24	2, 245.00		13, 691.78	5, 691.78		14, 578.62	11, 622.06	
New Hampshire.....	66, 402.90	18, 147.00	1, 177.00		24, 578.62	14, 578.62		37, 667.84		
New Jersey.....	186, 601.63	16, 801.89	1, 010.39		62, 338.05	52, 338.05		52, 581.57		1, 531.68
New Mexico.....	163, 289.02	22, 322.84	14, 473.81		33, 323.58	23, 323.58		67, 854.40	1, 351.26	639.55
New York.....	878, 387.49	10, 481.62	3, 356.90		170, 149.65	160, 149.65		367, 721.02	87, 971.95	709.35
North Carolina.....	531, 108.65	41, 571.30	15, 380.12		166, 843.12	156, 843.12		108, 021.00		42, 450.00
North Dakota.....	220, 751.75	21, 546.45	11, 710.45		52, 684.12	42, 684.12		67, 891.24		
Ohio.....	485, 180.59	8, 726.26	17, 774.94		184, 615.40	174, 615.40		58, 799.19		
Oklahoma.....	344, 160.56	35, 234.85	8, 416.51		121, 080.56	111, 080.56		62, 988.26	3, 759.82	
Oregon.....	255, 805.86	23, 277.27	10, 848.00		40, 383.46	30, 383.46		51, 498.22		5, 663.67

Pennsylvania.....	409, 305.38	4, 196.11	1, 280.00	194, 872.91	184, 872.91	5, 450.00	24, 083.45	3, 100.00
Rhode Island.....	34, 215.77	6, 996.84	.....	11, 491.82	1, 491.82	5, 450.00	235.29	.....
South Carolina.....	332, 162.03	34, 375.85	15, 186.94	117, 222.87	107, 222.87	51, 153.50	7, 000.00	.....
South Dakota.....	242, 690.05	19, 562.19	13, 672.13	52, 140.38	42, 140.38	81, 619.80	.....	.....
Tennessee.....	313, 677.31	36, 793.30	9, 812.56	136, 821.16	126, 821.16	33, 555.17	3, 132.18	296.95
Texas.....	654, 609.46	59, 623.57	12, 039.79	255, 792.71	245, 792.71	.....	.....	1.45
Utah.....	162, 401.41	20, 719.26	6, 361.00	26, 631.01	16, 631.01	81, 359.23	.....	7, 142.31
Vermont.....	106, 796.19	16, 486.77	3, 103.00	25, 537.37	15, 537.37	42, 760.00	.....	26, 949.24
Virginia.....	332, 507.72	33, 347.66	1, 460.00	141, 691.75	131, 691.75	15, 355.15	.....	6, 172.52
Washington.....	249, 598.86	26, 608.58	11, 176.88	54, 570.12	44, 570.12	12, 126.14	.....	8, 595.00
West Virginia.....	252, 119.33	19, 688.11	1, 638.57	92, 490.12	82, 490.12	.....	11, 726.88	.....
Wisconsin.....	285, 862.51	8, 116.63	12, 443.61	120, 460.73	110, 460.73	16, 571.42	16, 394.46	.....
Wyoming.....	128, 248.25	18, 142.61	9, 763.27	18, 536.20	8, 536.20	48, 072.28	.....	.....
Total, 1920.....	14, 658, 079.92	1, 021, 091.39	406, 020.96	4, 464, 344.36	3, 984, 344.36	966, 373.70	278, 092.02	672, 073.26
1919.....	14, 661, 560.50	1 5, 564, 839.70	935, 373.64	2, 538, 828.04	2, 058, 828.04	715, 640.12	186, 188.37	370, 653.29
1918.....	11, 302, 764.75	2 3, 900, 406.30	507, 282.95	2, 068, 066.29	1, 588, 066.29	682, 781.45	198, 309.80	494, 219.38
1917.....	6, 149, 619.63	958, 333.87	185, 893.15	1, 575, 054.38	1, 095, 054.38	635, 275.15	196, 839.01	244, 873.55
1916.....	4, 864, 180.94	900, 389.92	165, 172.01	1, 077, 923.73	597, 923.73	631, 799.58	220, 934.32	276, 786.09
1915.....	3, 597, 235.85	905, 782.00	105, 168.40	474, 934.73	.....	724, 445.13	319, 825.25	286, 748.55

<sup>1</sup>Includes \$4,598,243.13, emergency funds.<sup>2</sup>Includes \$2,949,072.48, emergency funds.

Total expenditures of funds from all sources for cooperative agricultural extension work for the year ended June 30, 1920.

BY ITEMS OF EXPENSE.

State.	Amount of appropriations.	Salary.	Labor.	Publications.	Stationery and small printing.	Postage, telephone, freight, and express.	Heat, light, water, and power.	Supplies.	Library.	Tools, machinery, and appliances.	Furniture and fixtures.	Scientific apparatus and specimens.	Live stock.	Traveling expenses.	Contingent expenses.
Alabama.....	\$346,231.58	\$247,390.08	\$3,966.49	\$5,574.55	\$9,263.23	\$3,081.18	\$417.66	\$1,763.18	\$261.03	\$560.20	\$3,066.89	\$972.55	.....	\$72,862.34	\$52.20
Arizona.....	81,889.14	48,782.73	955.87	1,409.98	1,281.84	894.07	32.20	1,183.07	4.00	84.37	516.34	116.98	\$3.37	25,989.66	634.66
Arkansas.....	396,791.95	310,012.20	906.55	7,595.54	2,914.68	2,191.56	169.31	585.86	146.89	80.75	1,449.75	284.18	.....	67,193.28	3,261.40
California.....	321,998.47	167,778.67	1,564.11	57.07	3,694.35	1,087.96	.....	484.36	.....	2.71	153.93	48.00	.....	92,864.16	54,263.15
Colorado.....	170,634.87	107,409.50	1,535.57	2,932.10	2,075.22	1,650.67	.....	1,335.34	38.52	215.45	629.33	262.83	.....	52,519.33	31.01
Connecticut.....	192,438.82	123,444.95	4,324.37	4,180.57	3,817.47	3,961.01	2,621.92	7,363.88	41.80	6.30	583.79	15.01	23.00	35,290.46	6,564.29
Delaware.....	34,546.60	24,392.39	391.17	1,060.22	1,372.93	671.78	.....	314.77	23.75	53.75	157.11	13.95	.....	6,079.93	14.85
Florida.....	181,395.33	151,334.91	1,008.70	3,701.35	1,067.64	560.51	.....	395.55	2.50	351.91	444.72	162.04	.....	22,335.50	30.00
Georgia.....	438,621.71	394,872.37	2,791.81	7,709.44	3,374.02	1,575.55	1,388.08	3,594.26	2.50	2,245.21	1,299.90	354.50	.....	39,175.25	409.04
Idaho.....	324,604.98	186,248.13	1,373.89	2,405.68	3,941.19	2,607.33	41.75	10,658.39	296.02	734.72	2,516.95	1,246.85	.....	88,739.09	23,791.77
Illinois.....	692,877.22	444,816.57	3,419.92	3,965.50	2,112.38	1,888.75	.....	208.09	35.26	.....	1,280.49	.....	.....	131,527.40	76,720.86
Indiana.....	419,888.22	299,074.05	30,473.67	6,645.59	6,678.23	2,165.74	11.55	33,395.73	37.50	189.15	658.43	44.38	61.30	70,211.02	46.70
Iowa.....	326,247.40	220,014.88	3,417.62	3,699.18	7,417.73	4,545.16	1,500.00	2,761.84	305.91	418.55	571.78	69.65	3.00	80,342.20	2,162.37
Kansas.....	758,782.86	529,074.05	4,795.91	4,717.00	4,388.67	5,960.59	.....	1,442.52	243.89	113.73	2,726.16	121.96	.....	53,959.16	132.15
Kentucky.....	275,789.12	210,214.58	1,489.32	1,643.69	1,283.85	1,324.22	2,500.00	1,051.30	107.76	20.65	1,946.02	333.42	.....	25,103.49	32.70
Louisiana.....	271,431.94	234,213.84	696.61	1,643.69	1,141.80	1,052.13	400.00	2,242.29	368.03	265.09	2,134.42	10.35	.....	24,132.98	111.37
Maine.....	88,984.52	56,528.45	58.11	930.38	3,417.11	942.05	14.45	459.54	138.85	243.89	1,344.48	662.86	.....	60,784.57	149.50
Maryland.....	207,317.47	137,950.72	316.49	3,912.63	1,319.00	1,535.40	.....	704.89	200.63	37.81	335.78	70.05	10.00	38,065.58	30,047.86
Massachusetts.....	370,357.12	282,693.96	2,823.56	2,179.78	2,707.69	2,922.87	23.45	3,127.67	335.97	2,193.53	3,172.32	52.88	.....	114,059.86	27.51
Michigan.....	366,581.03	231,318.20	7,227.50	3,976.25	5,345.09	1,515.35	630.76	889.20	142.75	766.96	1,034.92	9.03	.....	84,475.80	3,889.97
Minnesota.....	487,882.56	339,726.49	1,171.62	11,877.68	11,723.14	11,515.35	.....	1,358.73	64.11	205.27	1,233.89	6.75	.....	59,197.14	4,457.25
Mississippi.....	408,234.53	333,391.38	2,833.65	3,196.07	3,236.52	2,643.00	653.14	1,217.69	283.43	73.22	3,206.57	661.50	.....	56,026.39	3,464.72
Missouri.....	339,809.42	244,461.21	1,531.86	10,616.92	7,769.79	6,817.79	330.20	4,683.16	56.47	182.84	1,247.46	259.39	.....	50,270.62	619.40
Montana.....	244,618.97	119,164.56	2,970.32	2,087.63	2,659.64	3,906.53	450.00	20,398.16	48.25	537.01	1,198.92	79.96	.....	39,108.78	2,598.41
Nebraska.....	248,189.11	193,521.80	2.00	1,821.96	3,681.95	3,355.56	.....	2,664.58	96.30	88.86	1,787.80	51.90	.....	11,589.75	2,898.75
Nevada.....	66,052.25	43,481.56	270.73	1,212.12	1,000.70	806.58	65.25	1,536.86	172.42	2,178.56	471.62	.....	.....	15,721.54	2,309.20
New Hampshire.....	96,402.90	58,466.99	6,868.71	1,536.10	7,434.69	1,971.44	.....	1,406.03	13.98	182.60	2,231.08	773.62	.....	42,082.94	2,193.15
New Jersey.....	186,601.63	122,030.60	7,444.80	4,546.18	5,404.46	4,198.38	82.23	1,803.19	147.73	363.27	2,231.08	773.62	.....	43,687.10	487.64
New Mexico.....	163,289.02	102,030.57	3,835.02	3,700.97	2,897.52	3,429.36	20.99	896.69	201.23	170.11	1,827.33	104.29	.....	143,599.60	46,145.68
New York.....	878,387.49	468,605.41	8,332.89	95,621.19	14,527.02	7,089.37	18,205.19	52,989.74	148.56	550.41	22,509.90	62.53	.....	68,057.66	7,449.00
North Carolina.....	531,108.66	430,499.91	897.73	13,775.12	4,432.96	1,780.93	28.85	1,316.14	226.20	53.50	1,731.46	839.20	.....	67,109.35	25.00
North Dakota.....	220,751.75	140,454.68	629.55	953.95	2,567.02	1,581.45	4,000.00	2,655.29	17.00	72.10	1,076.36	.....	.....	98,115.78	2,828.86
Ohio.....	435,180.59	339,303.13	9,154.20	12,468.00	10,263.23	5,148.95	50.36	4,569.21	94.22	106.23	2,607.24	471.07	.....	37,063.21	3,778.15
Oklahoma.....	344,160.56	289,781.62	1,998.98	5,727.58	3,666.28	782.31	540.00	361.17	79.18	26.23	1,003.83	262.00	.....	53,781.96	6,666.09
Oregon.....	255,805.86	157,169.31	3,870.40	6,886.31	12,070.69	943.07	240.85	3,941.23	27.40	7,762.93	2,258.02	187.60	.....	102,630.78	2,697.70
Pennsylvania.....	409,305.38	266,579.66	4,436.37	6,527.04	12,984.70	8,552.90	126.70	2,370.05	56.30	243.17	1,625.55	456.17	18.29	.....	.....



Rhode Island.....	34, 213. 77	21, 632. 59	50. 95	332. 59	704. 36	260. 63	.....	257. 40	148. 98	.....	240. 38	639. 40	.....	5, 209. 78	4, 718. 71
South Carolina.....	332, 162. 03	242, 500. 67	715. 08	4, 042. 79	7, 378. 96	2, 734. 26	686. 99	391. 56	110. 81	54. 63	2, 470. 19	393. 27	.....	70, 420. 30	262. 52
South Dakota.....	242, 690. 03	169, 502. 35	4, 516. 38	2, 414. 58	6, 761. 15	4, 940. 96	271. 39	1, 071. 33	42. 60	428. 49	2, 234. 36	849. 60	79. 35	47, 981. 65	1, 595. 86
Tennessee.....	313, 677. 31	245, 580. 14	1, 836. 31	8, 861. 41	7, 037. 58	1, 946. 77	432. 25	1, 938. 93	588. 01	47. 75	2, 507. 13	511. 71	.....	42, 171. 77	217. 55
Texas.....	654, 609. 46	515, 115. 77	.....	11, 094. 45	7, 444. 35	2, 678. 39	.....	594. 71	270. 84	129. 22	1, 521. 19	35. 10	.....	114, 991. 44	734. 00
Utah.....	162, 401. 41	95, 677. 62	2, 364. 76	698. 05	817. 26	473. 13	25. 80	4, 983. 05	79. 88	26. 30	345. 68	157. 00	.....	43, 991. 56	12, 761. 32
Vermont.....	106, 796. 19	54, 789. 77	5, 571. 13	489. 17	9, 115. 39	2, 643. 57	360. 00	2, 452. 54	57. 97	1, 074. 89	1, 586. 04	229. 05	.....	19, 908. 58	8, 518. 09
Virginia.....	332, 507. 72	274, 999. 64	591. 53	12, 220. 68	5, 026. 99	1, 463. 30	154. 40	309. 68	143. 10	292. 88	817. 92	484. 86	.....	35, 574. 00	428. 74
Washington.....	249, 598. 86	156, 125. 45	17, 571. 20	1, 969. 14	5, 510. 23	4, 764. 32	234. 40	3, 161. 33	89. 94	3, 063. 59	2, 801. 63	155. 32	.....	54, 132. 91	20. 00
West Virginia.....	252, 119. 33	201, 195. 57	240. 55	6, 517. 75	2, 375. 80	1, 467. 75	.....	1, 522. 87	23. 34	37. 38	491. 32	95. 45	.....	37, 828. 15	323. 40
Wisconsin.....	285, 862. 51	195, 589. 65	10, 866. 99	5, 067. 70	2, 087. 72	5, 257. 98	11. 13	8, 975. 16	32. 66	305. 53	896. 80	513. 55	.....	56, 110. 35	147. 29
Wyoming.....	128, 248. 25	87, 677. 57	1, 145. 50	298. 42	3, 070. 95	1, 723. 86	.....	901. 24	.....	110. 15	382. 78	143. 68	.....	31, 415. 31	1, 378. 79
Total, 1920.....	14, 658, 079. 92	10, 317, 011. 99	164, 778. 45	308, 629. 24	229, 038. 17	137, 230. 47	36, 471. 25	204, 299. 45	6, 054. 47	26, 951. 98	88, 220. 31	13, 295. 44	198. 31	2, 807, 798. 73	318, 101. 66
1919.....	14, 661, 560. 50	10, 498, 696. 40	151, 107. 13	263, 371. 74	247, 795. 48	133, 351. 26	19, 574. 36	245, 342. 45	6, 122. 88	18, 050. 45	144, 607. 43	13, 443. 82	1, 692. 54	2, 735, 151. 37	181, 762. 77
1918.....	11, 302, 764. 75	8, 168, 965. 83	166, 839. 86	190, 267. 35	204, 632. 33	127, 128. 31	18, 246. 60	212, 631. 90	3, 526. 35	24, 902. 30	166, 255. 64	11, 897. 59	9, 458. 39	1, 830, 764. 70	167, 247. 60
1917.....	6, 149, 619. 63	4, 406, 021. 73	84, 878. 32	144, 777. 26	113, 947. 63	68, 330. 02	6, 214. 88	116, 804. 55	2, 256. 33	19, 178. 19	53, 394. 57	10, 567. 50	1, 826. 68	1, 023, 405. 63	98, 016. 34
1916.....	4, 864, 180. 94	3, 434, 032. 25	80, 029. 60	98, 850. 56	79, 064. 79	48, 709. 30	4, 842. 21	97, 728. 37	2, 164. 36	32, 974. 37	48, 631. 76	10, 719. 60	692. 89	849, 259. 37	76, 481. 51
1915.....	3, 597, 235. 85	2, 616, 969. 86	69, 954. 09	72, 090. 72	49, 640. 47	37, 437. 90	9, 614. 79	55, 886. 15	707. 48	17, 094. 67	36, 155. 66	6, 870. 21	2, 255. 99	603, 432. 74	19, 125. 12

Total expenditures of funds from all sources for cooperative agricultural extension work for the year ended June 30, 1920.

BY PROJECTS.

State.	Total.	Adminis- tration.	Printing and dis- tribution of publi- cations.	County agent work.	Home demonstra- tion work. <sup>1</sup>	Boys' club work.	Extension schools.	Home economics specialists. <sup>2</sup>	Animal husbandry.	Poultry.	Dairying.	Animal diseases.	Agron- omy.
Alabama	\$346, 231.58	\$17, 696.53	\$5, 574.55	\$182, 389.52	\$81, 129.85	\$5, 605.35	\$1, 575.90	\$6, 848.84	\$7, 406.51	\$900.00	\$5, 708.58	\$681.40	\$7, 283.12
Arizona	81, 889.14	10, 155.19	1, 409.98	31, 852.46	13, 349.15	9, 297.71	6, 016.85	2, 559.29	4, 255.57	3, 321.41	3, 638.19	2, 055.85	3, 994.16
Arkansas	396, 791.95	27, 429.54	7, 595.54	210, 585.18	124, 575.73	20, 479.85	911.81	2, 823.08	4, 321.41	6, 642.30	3, 687.56	1, 922.77	1, 922.77
California	321, 998.47	20, 217.72	57.07	214, 113.18	43, 618.76	18, 016.26	2, 626.10		3, 690.96				3, 994.16
Colorado	170, 634.87	9, 756.95	2, 932.10	96, 053.44	12, 114.39	12, 942.46	754.31						1, 922.77
Connecticut	192, 438.82	10, 824.52	4, 180.57	100, 751.37	15, 401.46	12, 942.46							
Delaware	34, 546.60	6, 501.52	1, 060.22	13, 553.27	6, 345.62	12, 942.46							
Florida	181, 395.33	10, 289.36	3, 701.35	87, 565.80	55, 499.71	12, 499.41							
Georgia	458, 621.71	26, 316.32	7, 709.44	224, 422.96	136, 513.11	7, 469.45	8, 000.60		5, 637.01	1, 371.08		4, 831.61	
Idaho	324, 604.98	24, 270.73	2, 405.68	128, 771.43	30, 459.78	56, 004.38	2, 040.97	14, 713.02	6, 141.94	2, 415.36	6, 852.39	4, 215.84	11, 241.50
Illinois	662, 877.22	11, 358.06	3, 965.50	517, 804.45	51, 397.36	15, 002.10	7, 036.60	24, 888.18	5, 973.02		5, 100.00		12, 269.36
Indiana	419, 888.22	33, 424.92	4, 717.00	222, 430.14	18, 286.08	22, 116.92		3, 223.04	6, 692.64	6, 627.42	10, 310.04	3, 404.41	7, 300.00
Iowa	758, 782.86	53, 799.10	6, 645.59	497, 978.57	61, 199.29	25, 264.78		7, 879.90	9, 293.57	10, 036.26	15, 013.23	4, 055.05	9, 137.80
Kansas	326, 247.40	16, 790.44	3, 699.18	165, 104.58	26, 565.19	18, 113.04	14, 649.30	17, 539.28	4, 257.63	2, 547.68	7, 320.96	2, 498.54	4, 916.80
Kentucky	275, 789.12	22, 224.25	1, 643.69	143, 893.79	54, 404.42	8, 593.93	2, 674.44	3, 448.61	7, 410.82	7, 383.35	5, 194.40	2, 699.70	2, 351.47
Louisiana	271, 431.94	16, 960.56	3, 771.19	171, 437.45	43, 949.09	9, 412.79			636.84	3, 678.89	5, 210.63		
Maine	88, 984.52	15, 563.53	930.38	46, 281.88	7, 851.37	6, 650.34	176.66	3, 679.74	1, 593.39	2, 261.73	433.16		
Maryland	207, 317.47	22, 310.63	3, 912.63	96, 189.87	48, 934.11	5, 576.66			4, 017.40	3, 172.70	3, 319.73		3, 615.39
Massachusetts	370, 357.12	14, 716.24	2, 179.78	100, 320.49	87, 559.10	101, 392.74	726.42	11, 930.49	5, 327.83	4, 706.51	5, 749.57		3, 962.38
Michigan	366, 581.03	10, 535.89	3, 976.25	192, 721.42	29, 408.32	42, 503.48	2, 712.28	10, 985.66	4, 262.43	5, 141.27	1, 809.73		11, 302.14
Minnesota	467, 882.56	25, 858.45	11, 877.68	309, 964.96	26, 429.05	24, 337.52	1, 907.50	10, 373.82		4, 860.54	13, 498.39		1, 516.76
Mississippi	408, 234.53	14, 617.12	3, 196.07	174, 809.41	133, 365.33	20, 746.87	1, 809.54		11, 454.78		15, 279.13		
Missouri	339, 809.42	18, 350.82	10, 616.92	182, 852.24	50, 542.51	19, 463.35			9, 049.62	4, 988.81	6, 453.28	1, 067.54	4, 682.40
Montana	204, 618.97	20, 226.45	2, 087.63	95, 429.82	20, 818.83	11, 445.98	725.35	6, 774.51	3, 227.26	1, 813.76	3, 298.30		5, 977.17
Nebraska	248, 189.11	11, 885.35	1, 821.96	142, 307.99	12, 672.58	21, 239.79		12, 127.13	1, 738.22	5, 947.01	1, 097.54		2, 886.13
Nevada	66, 052.25	5, 692.35	1, 212.12	26, 517.63	11, 260.60	11, 028.94					2, 030.24	6, 970.37	
New Hampshire	96, 402.90	7, 163.54	1, 536.10	55, 893.66	15, 303.05	8, 785.55		4, 382.11		253.82	3, 706.60		2, 450.26
New Jersey	186, 601.63	16, 415.80	4, 546.18	92, 910.77	19, 628.53	26, 058.71				4, 254.07	5, 747.77		
New Mexico	163, 289.02	15, 770.58	3, 700.97	89, 200.64	10, 947.02	23, 663.46						3, 519.61	
New York	878, 387.49	63, 504.08	95, 621.19	356, 079.31	111, 885.80	32, 533.20	47, 909.94	39, 788.76	12, 779.64	14, 497.64	7, 257.09	1, 366.90	18, 610.13
North Carolina	531, 108.66	20, 961.48	13, 775.12	251, 182.59	135, 762.60	2, 282.22	2, 129.20		15, 517.58		17, 966.03	5, 895.00	18, 910.17
North Dakota	220, 751.75	27, 167.63	13, 953.95	118, 937.30	13, 667.65	24, 762.38	2, 947.02	1, 249.98	3, 706.34		8, 727.93	4, 046.15	
Ohio	485, 180.59	43, 211.84	12, 468.00	238, 301.66	20, 050.84	26, 478.50	3, 352.41	18, 406.58	6, 568.82	6, 333.61	5, 763.23	3, 063.74	18, 591.87
Oklahoma	344, 160.56	21, 492.53	5, 727.58	188, 563.62	86, 613.97	13, 863.78				5, 073.93	5, 763.23	3, 142.47	
Oregon	255, 805.86	20, 231.09	6, 886.31	141, 592.08	17, 274.11	24, 328.25	4, 414.54		4, 291.47	2, 063.71	7, 735.78		3, 502.69
Pennsylvania	409, 305.38	27, 705.28	6, 527.04	201, 697.46	6, 645.27	7, 305.63	2, 579.38	69, 601.52	12, 912.72	11, 367.61	16, 472.59		11, 424.71
Rhode Island	34, 215.77	4, 789.77	332.59	13, 741.05	7, 917.59	6, 506.66					897.98		30.13
South Carolina	332, 162.03	27, 328.69	4, 042.79	126, 854.24	110, 756.72	5, 828.13		3, 503.83	7, 343.44	1, 933.05	11, 129.59		6, 502.43

	18, 526.84	2, 414.58	161, 030.65	5, 716.93	17, 916.43	3, 761.02	.....	3, 848.86	.....	7, 253.45	1, 640.05
South Dakota.....	32, 517.47	8, 861.41	131, 401.03	93, 996.42	2, 377.77	6, 016.70	.....	8, 681.79	.....	.....	3, 903.51
Tennessee.....	32, 913.04	11, 691.05	371, 750.46	123, 368.77	22, 534.19	.....	10, 025.28	7, 238.21	10, 049.15	600.00	.....
Texas.....	18, 937.42	.....	83, 533.91	23, 249.98	19, 019.74	5, 191.46	.....	9, 447.94	4, 176.24	.....	224.87
Utah.....	9, 037.58	489.17	65, 185.37	13, 030.44	9, 055.96	.....	2, 179.97	693.16	5, 146.22	.....	.....
Vermont.....	26, 662.18	12, 220.68	175, 989.49	66, 390.17	5, 706.56	.....	9, 550.20	5, 435.72	10, 090.93	.....	2, 102.74
Virginia.....	18, 068.94	1, 969.14	125, 740.38	23, 622.30	28, 990.40	1, 753.90	7, 376.08	4, 611.09	14, 253.87	.....	3, 070.09
Washington.....	26, 307.66	6, 517.75	114, 628.97	37, 856.79	31, 327.34	1, 566.44	.....	3, 130.59	4, 349.29	1, 833.26	3, 255.61
West Virginia.....	285, 862.51	5, 067.70	133, 587.06	8, 056.06	8, 618.40	8, 160.98	9, 142.75	11, 987.90	11, 541.40	.....	11, 093.69
Wisconsin.....	23, 427.70	.....	48, 265.77	19, 652.72	24, 948.82	.....	.....	4, 371.06	2, 157.31	.....	3, 455.72
Wyoming.....	13, 132.89	298.42	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total, 1920.....	995, 051.57	308, 629.24	7, 665, 170.90	2, 177, 024.52	883, 615.86	144, 187.62	2, 332, 415.38	231, 141.57	276, 917.62	63, 200.89	218, 019.26
1919.....	930, 658.24	263, 616.98	7, 124, 500.90	2, 889, 210.50	921, 621.38	131, 782.14	.....	380, 168.56	289, 756.98	71, 678.74	170, 534.71
1918.....	754, 175.86	207, 478.99	5, 604, 962.72	2, 226, 227.97	669, 666.18	153, 904.15	70, 402.84	309, 270.72	332, 892.55	31, 777.11	153, 211.24
1917.....	512, 291.54	137, 647.87	3, 058, 640.94	741, 679.89	319, 556.91	175, 754.15	.....	162, 063.74	208, 966.50	44, 215.83	105, 529.87
1916.....	445, 243.67	99, 779.68	2, 411, 539.81	519, 866.99	231, 227.16	198, 045.02	.....	131, 937.90	172, 557.69	21, 936.02	77, 859.05
1915.....	295, 308.48	71, 597.65	1, 902, 230.51	319, 522.50	162, 448.27	198, 353.91	.....	42, 448.08	106, 098.08	4, 563.64	20, 912.81

<sup>1</sup> Prior to 1920, this item included home economics specialists.

<sup>2</sup> Prior to 1920, included in home demonstration work.



*Total expenditures of funds from all sources for cooperative agricultural extension work for the year ended June 30, 1920—Continued.*

BY PROJECTS—Continued.

State.	Horticulture.	Botany and plant pathology.	Entomology, apiculture, ornithology.	Forestry.	Agricultural engineering.	Farm management.	Rural organization.	Marketing.	Exhibits and fairs.	Farmers' institutes.	Correspondence courses.	Agriculture in schools.	Miscellaneous specialists.	Rodent pests.
Alabama.....	\$8,371.07	\$843.26	\$4,189.27		\$4,471.57	\$1,003.45		\$4,411.66	\$150.00				\$141.15	\$9,657.80
Arizona.....	1,082.13					634.39		10,203.17						
Arkansas.....						2,876.45								
California.....		3,551.07				2,880.07		10,394.92					4,243.51	11,513.00
Colorado.....	755.29					5,994.86		11,797.03	1,470.10			\$4,430.88	5,576.92	3,994.00
Connecticut.....	373.50	1,192.79												
Delaware.....														
Florida.....	6,317.17			\$805.89	3,906.38			4,262.31	1,971.05					
Georgia.....	3,692.42		5,238.96			1,388.25								28,270.60
Idaho.....	3,500.00	13,165.46				3,423.09								
Illinois.....	6,774.33	15,486.37	11,433.74		3,180.69	6,034.97		625.00		\$28,996.11				
Indiana.....	8,261.01	12,673.90	3,500.84		9,180.18	9,507.17		4,600.24						
Iowa.....	1,592.60		3,453.01		6,825.77	3,528.33	\$7,226.96			\$15,625.11				3,993.00
Kansas.....	4,080.46				1,327.27	2,444.07		6,034.45						
Kentucky.....	10,703.20		2,686.11					663.08				217.61	2,322.11	
Louisiana.....						3,344.73								
Maine.....	4,024.42	3,334.00	6,134.95		1,571.57		1,203.41							
Maryland.....	9,493.05	221.90			319.87	3,917.59	287.22	6,203.06	5,748.54		4,019.74	1,536.43		38.17
Massachusetts.....	13,600.19	13,418.29		1,403.12	2,654.64	3,324.19		12,585.75		3.55				4,232.43
Michigan.....	2,155.65	14,703.27				9,183.62	3,536.07	1,489.24	152.00	6,032.04				
Minnesota.....	6,932.75		4,928.22		7,328.36	1,080.31		12,706.64						
Mississippi.....	3,782.92				2,997.21	3,542.52		4,205.55						
Missouri.....		3,110.37				1,904.57		3,952.93	1,154.56	3,562.97				17,108.51
Montana.....	6,264.47	9,674.28	1,268.26		4,865.17	4,370.77		4,209.46						3,813.00
Nebraska.....														1,320.00
Nevada.....						3,760.58								
New Hampshire.....	10,195.43		12.00											
New Jersey.....													1,694.80	10,987.00
New Mexico.....	14,848.72	16,136.76	10,285.41	4,205.68	10,144.62	12,898.67		3,804.94	3,228.67					
New York.....	3,898.78	3,746.28	2,505.10	2,158.31	5,393.36	250.00		4,805.28	8,723.87					
North Carolina.....	1,245.83	10,915.85	3,574.36			2,888.71		483.31						
North Dakota.....	8,727.21	17,272.32	3,989.56		11,671.03	7,284.47		685.05		26,805.67	3,192.48			3,707.98
Ohio.....	3,716.17				6,234.18			1,383.59						2,585.51
Oklahoma.....	1,580.60		7,012.67			3,426.66		4,212.90						7,248.00
Oregon.....	8,652.69	10,987.48	5,372.96	761.64		3,507.40	5,751.00							
Pennsylvania.....														
Rhode Island.....														
South Carolina.....	8,415.32	2,421.88	5,317.08				1,753.70	9,031.14						

[illegible]

*Number of counties with county agents and expenditures for county agent work for the fiscal year ended June 30, 1920.*

State.	Num- ber of agricul- tural coun- ties.	Number of counties with agents July 1.						Total expend- itures.	Salaries.	Travel.	Other ex- penses.
		1914	1915	1916	1917	1918	1919	1920			
Alabama.....	67	67		65	62	66	65	55	\$140,384.06	\$39,498.57	\$2,506.89
Arizona.....	14	.....	3	6	7	11	11	10	20,012.48	9,791.41	2,048.57
Arkansas.....	75	45	52	53	61	68	66	58	177,333.65	32,842.73	32,408.80
California.....	45	4	11	13	17	33	35	35	107,429.80	58,244.55	48,438.83
Colorado.....	35	13	13	19	16	29	27	24	62,558.90	33,030.12	464.42
Connecticut.....	8	1	6	7	8	8	8	8	62,829.78	20,242.53	17,679.06
Delaware.....	3	.....	3	3	2	3	3	3	10,546.25	5,554.96	452.06
Florida.....	54	25	36	33	37	53	47	32	81,030.10	2,554.96	1,008.24
Georgia.....	152	80	81	83	117	120	134	97	212,868.98	11,473.70	80.28
Idaho.....	34	2	3	7	11	27	32	34	81,260.76	32,723.87	14,786.80
Illinois.....	102	14	18	20	22	53	63	81	338,184.97	104,619.48	75,000.00
Indiana.....	92	27	31	32	40	83	76	68	165,161.84	34,397.13	22,871.17
Iowa.....	99	9	11	16	26	97	99	99	368,866.54	122,112.03	7,000.00
Kansas.....	105	9	39	56	53	67	53	51	165,104.58	45,871.05	10,797.10
Kentucky.....	120	28	39	47	45	90	71	53	143,893.79	25,342.18	449.62
Louisiana.....	64	41	43	43	42	58	55	41	161,943.53	8,208.67	1,285.25
Maine.....	16	.....	3	4	9	16	16	16	30,742.88	14,469.79	1,069.21
Maryland.....	23	8	13	16	23	22	23	22	62,945.57	33,244.30	.....
Massachusetts.....	13	1	10	9	11	13	13	11	80,367.11	7,731.25	12,222.13
Michigan.....	84	11	17	22	30	71	63	60	130,329.87	59,451.45	2,940.10
Minnesota.....	86	27	23	19	16	85	86	82	233,608.35	52,836.27	23,520.34
Mississippi.....	81	48	49	44	53	79	75	71	160,493.39	12,574.20	1,741.82
Missouri.....	114	13	15	14	15	71	52	47	143,437.19	24,598.08	14,816.97
Montana.....	41	4	8	7	12	23	24	27	57,003.86	25,756.59	12,669.37
Nebraska.....	93	5	8	9	6	79	54	39	114,781.29	18,857.26	8,669.44
Nevada.....	15	.....	6	8	8	8	4	6	15,011.83	5,734.62	5,771.18
New Hampshire.....	10	1	5	8	9	10	10	9	29,784.85	8,619.10	17,489.71
New Jersey.....	19	4	7	11	10	17	18	18	60,628.07	22,200.99	10,081.71
New Mexico.....	26	.....	8	9	11	25	26	22	57,807.31	24,258.09	7,135.24
New York.....	57	.....	25	36	41	56	55	55	356,079.31	194,471.10	77,153.55
North Carolina.....	100	51	64	65	69	91	87	77	251,182.59	32,146.84	3,976.43
North Dakota.....	51	17	15	15	17	38	32	28	77,253.30	40,246.01	1,437.99
Ohio.....	75	8	10	12	20	63	65	63	185,044.36	42,149.02	11,108.28
Oklahoma.....	77	40	56	59	62	77	70	73	188,563.62	12,703.77	188.70
Oregon.....	35	10	12	13	14	24	23	26	91,625.90	27,335.25	22,630.93
Pennsylvania.....	67	10	14	22	45	53	40	54	149,155.69	35,814.38	16,727.39
Rhode Island.....	5	.....	.....	4	4	5	4	4	7,583.34	2,398.36	3,759.35
South Carolina.....	45	43	43	42	40	43	45	45	105,131.94	19,611.85	2,110.45



South Dakota.....	66	3	5	11	13	59	36	39	161,030.65	120,148.10	28,755.38	12,127.17
Tennessee.....	96	36	38	48	57	91	76	45	134,401.03	122,073.21	10,846.37	1,481.45
Texas.....	250	98	99	90	92	178	168	127	371,750.46	315,755.92	55,834.19	160.35
Utah.....	28	8	10	8	15	28	22	21	83,533.91	48,797.31	24,802.10	9,934.50
Vermont.....	14	7	9	11	11	13	13	12	65,185.37	28,230.16	13,911.73	23,043.48
Virginia.....	100	53	55	51	53	75	71	57	175,989.49	166,039.27	9,902.45	47.77
Washington.....	37	7	10	13	22	34	29	32	125,740.38	75,257.55	25,426.30	25,056.53
West Virginia.....	55	13	27	29	45	48	48	40	114,628.97	102,244.84	11,669.90	714.23
Wisconsin.....	71	9	12	13	22	59	41	42	133,587.06	100,478.19	28,960.25	4,148.62
Wyoming.....	21	3	6	8	13	15	13	14	48,265.77	34,204.68	11,075.29	2,985.80
Total, 1920.....	2,940							2,033	7,665,170.77	5,708,116.96	1,407,555.42	549,498.39
1919.....							2,247		7,124,500.90	5,451,182.38	1,176,189.19	497,129.33
1918.....									5,604,962.72	4,347,418.06	824,876.72	432,667.94
1917.....				1,434		2,435			3,059,640.94	2,412,168.23	450,736.23	196,736.48
1916.....				1,225					2,411,539.81	1,908,951.25	338,156.81	164,431.75
1915.....		928	1,136						1,900,048.84	1,576,843.40	257,152.46	66,052.98

*Number of counties with home demonstration agents and expenditures for home demonstration work for the fiscal year ended June 30, 1920.*

State.	Num- ber of agricul- tural coun- ties.	Number of counties with agents July 1.							Expenditures for all home demonstration work.			
		1914	1915	1916	1917	1918	1919	1920	Total ex- penditures.	Salaries.	Travel.	Other ex- penses.
Alabama.....	67	18	19	27	28	67	54	32	\$81,129.85	\$60,754.52	\$15,835.84	\$4,539.49
Arizona.....	14	.....	.....	.....	.....	3	6	6	13,349.15	7,976.84	4,724.19	648.12
Arkansas.....	75	15	20	31	47	65	58	42	124,575.73	101,941.37	22,386.59	247.77
California.....	45	.....	.....	.....	.....	24	8	10	43,618.76	23,335.57	12,131.45	8,151.74
Colorado.....	35	.....	.....	2	.....	7	3	2	12,114.39	8,028.68	3,561.57	524.14
Connecticut.....	8	.....	.....	.....	5	8	6	6	15,401.46	13,671.47	1,415.76	314.23
Delaware.....	3	.....	.....	.....	1	3	2	.....	6,345.62	4,362.19	1,462.70	520.73
Florida.....	54	24	27	28	35	54	42	29	55,499.71	47,102.11	7,828.43	569.17
Georgia.....	152	29	48	45	57	125	93	66	136,513.11	127,629.19	8,432.69	451.23
Idaho.....	34	.....	.....	1	.....	24	4	5	30,489.78	17,117.54	9,635.97	3,736.27
Illinois.....	102	.....	.....	.....	.....	88	17	11	51,397.36	39,497.36	10,200.00	1,700.00
Indiana.....	92	.....	.....	.....	.....	22	8	5	18,236.08	16,592.72	1,538.06	105.30
Iowa.....	99	.....	.....	.....	.....	96	23	19	61,199.29	46,775.05	14,424.24	.....
Kansas.....	105	.....	.....	.....	.....	14	8	9	26,565.19	16,592.47	9,888.74	83.98
Kentucky.....	120	9	19	24	27	96	74	18	54,404.42	41,221.70	12,697.20	485.52
Louisiana.....	64	13	13	18	20	33	32	24	43,949.09	37,437.57	5,649.35	862.17
Maine.....	16	.....	.....	.....	.....	14	2	5	7,851.37	5,560.33	2,176.65	114.39
Maryland.....	23	5	6	10	13	22	23	21	48,934.11	34,173.02	14,687.79	73.30
Massachusetts.....	13	.....	.....	1	6	12	10	9	87,559.10	70,511.55	6,781.55	10,266.00
Michigan.....	84	.....	.....	.....	1	24	13	12	29,408.32	19,340.55	9,624.28	443.49
Minnesota.....	86	.....	.....	.....	.....	39	8	8	26,429.05	20,295.33	5,223.56	910.16
Mississippi.....	81	33	33	32	49	71	64	53	133,365.33	109,608.41	20,481.69	3,275.23
Missouri.....	114	.....	.....	.....	.....	48	20	11	50,542.51	38,122.08	8,517.89	3,902.54
Montana.....	41	.....	.....	.....	.....	18	11	9	20,818.83	14,760.89	4,723.71	1,334.23
Nebraska.....	93	.....	.....	.....	2	30	10	7	12,672.58	11,927.30	745.28	.....
Nevada.....	15	.....	.....	1	.....	10	5	5	11,260.60	8,365.94	1,495.32	1,399.34
New Hampshire.....	10	.....	.....	.....	2	9	6	3	15,303.05	12,149.96	2,895.29	257.80
New Jersey.....	19	.....	.....	1	.....	8	5	8	19,628.53	13,443.51	4,369.77	1,815.25
New Mexico.....	26	.....	.....	.....	.....	11	5	4	7,173.94	7,173.94	3,284.97	488.11
New York.....	57	.....	.....	.....	3	38	24	22	111,885.80	67,439.55	22,783.22	21,663.03
North Carolina.....	100	27	34	44	48	72	66	59	135,762.60	125,573.17	8,725.82	1,463.61
North Dakota.....	51	.....	.....	.....	2	33	5	4	13,667.65	8,933.77	4,343.55	390.33
Ohio.....	75	.....	.....	1	.....	13	5	2	20,050.84	16,158.85	3,889.94	2.05
Oklahoma.....	77	19	24	22	23	50	46	40	86,613.97	75,330.56	8,800.13	2,483.28
Oregon.....	35	.....	.....	.....	.....	15	5	5	17,274.11	12,343.66	3,839.31	1,091.14
Pennsylvania.....	67	.....	.....	1	.....	48	.....	.....	6,645.27	4,235.86	2,171.41	238.00
Rhode Island.....	5	.....	.....	.....	.....	4	4	2	7,917.59	5,234.03	1,551.24	1,132.32
South Carolina.....	45	21	24	31	36	44	45	45	110,756.72	82,093.72	26,631.70	2,031.30





*Number of persons on the extension staffs, classified according to the time devoted to agricultural extension work for the fiscal year ended June 30, 1920.*

[M. = men; W. = women.]

State.	Extension staff.								Also connected with experiment station.		Also connected with college teaching.	
	Total.		Full time.		More than half time.		Less than half time.		More than half time.		More than half time.	
	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.	M.	W.
Alabama.....	101	54	89	54	7	.....	5	.....	7	.....	5	.....
Arizona.....	24	7	19	5	5	2	.....	.....	.....	.....	4	.....
Arkansas.....	119	133	70	54	19	29	30	50	.....	.....	11	3
California.....	102	17	102	17	.....	.....	.....	.....	.....	.....	.....	.....
Colorado.....	49	16	40	13	.....	1	9	2	.....	.....	3	.....
Connecticut.....	40	17	33	16	5	1	2	.....	1	.....	4	1
Delaware.....	8	4	5	4	1	.....	2	.....	11	.....	2	.....
Florida.....	48	45	43	42	2	.....	3	3	.....	.....	2	.....
Georgia.....	177	160	167	156	.....	1	10	3	.....	.....	.....	.....
Idaho.....	95	34	67	31	.....	.....	28	3	.....	.....	2	.....
Illinois.....	102	28	96	27	2	1	4	.....	.....	.....	5	.....
Indiana.....	193	50	119	22	.....	.....	74	28	.....	.....	.....	.....
Iowa.....	156	32	155	32	.....	.....	1	.....	.....	.....	.....	.....
Kansas.....	118	34	118	34	.....	.....	.....	.....	.....	.....	.....	.....
Kentucky.....	102	46	91	45	2	.....	9	1	2	.....	9	1
Louisiana.....	83	42	79	41	1	.....	3	1	1	.....	1	.....
Maine.....	30	7	21	7	2	.....	7	.....	.....	.....	1	.....
Maryland.....	59	28	43	28	.....	.....	16	.....	.....	.....	6	.....
Massachusetts.....	45	19	35	19	1	.....	8	.....	1	.....	1	.....
Michigan.....	91	19	86	19	4	.....	1	.....	2	.....	1	.....
Minnesota.....	128	26	104	19	7	2	17	5	.....	.....	7	.....
Mississippi.....	121	67	113	64	1	2	7	1	.....	.....	1	.....
Missouri.....	96	40	96	40	.....	.....	.....	.....	.....	.....	.....	.....
Montana.....	41	18	40	18	.....	.....	1	.....	.....	.....	.....	.....
Nebraska.....	66	15	62	14	3	.....	1	1	3	.....	1	.....
Nevada.....	12	10	11	9	1	.....	.....	1	.....	.....	1	.....
New Hampshire.....	20	9	18	9	2	.....	.....	.....	2	.....	.....	.....
New Jersey.....	35	16	35	16	.....	.....	.....	.....	.....	.....	.....	.....
New Mexico.....	37	8	35	8	.....	.....	2	.....	.....	.....	2	.....
New York.....	151	49	102	43	18	.....	31	6	.....	.....	4	.....
North Carolina.....	114	67	114	65	.....	.....	.....	2	.....	.....	.....	.....
North Dakota.....	56	10	50	10	4	.....	2	.....	.....	.....	2	.....
Ohio.....	155	45	107	28	1	.....	47	17	.....	.....	2	.....
Oklahoma.....	104	68	103	68	1	.....	.....	.....	.....	.....	1	.....
Pennsylvania.....	119	24	86	24	.....	.....	33	.....	.....	.....	31	.....
Oregon.....	57	21	40	19	2	1	15	1	.....	.....	1	.....
Rhode Island.....	11	6	5	3	6	3	.....	.....	.....	.....	.....	.....
South Carolina.....	100	70	92	67	1	2	7	1	1	.....	1	.....
South Dakota.....	52	8	51	8	1	.....	.....	.....	.....	.....	1	.....
Tennessee.....	72	53	67	51	.....	.....	5	2	.....	.....	1	.....
Texas.....	200	86	200	86	.....	.....	.....	.....	.....	.....	.....	.....
Utah.....	41	15	32	12	.....	.....	9	3	.....	.....	5	1
Vermont.....	22	11	18	11	.....	.....	4	.....	.....	.....	1	.....
Virginia.....	110	62	109	62	.....	.....	1	.....	.....	.....	.....	.....
Washington.....	52	14	52	13	.....	1	.....	.....	.....	.....	.....	.....
West Virginia.....	119	56	65	36	16	.....	38	20	7	.....	2	.....
Wisconsin.....	79	12	45	9	12	.....	22	3	7	.....	9	.....
Wyoming.....	31	11	29	10	.....	.....	2	1	.....	.....	.....	.....
Total, 1920.....	3,943	1,689	3,360	1,488	127	46	456	155	45	.....	96	5
1919.....	4,137	1,970	3,485	1,807	179	46	473	117	90	16	159	10
1918.....	4,409	2,336	3,548	1,959	184	88	677	289	97	13	200	5
1917.....	2,983	1,117	2,238	787	209	127	535	203	29	.....	206	2
1916.....	2,266	754	1,686	515	108	100	472	139	30	.....	199	7

*Agricultural extension publications for the fiscal year ended June 30, 1920.*

State.	Number of publica- tions issued.	Number of pages issued.	Number on mailing list.	Total cost.
Alabama.....	16	269	21,000	\$5,574.55
Arizona.....				1,409.98
Arkansas.....	42	303	10,000	7,595.54
California.....	(1)	(1)	(2)	57.07
Colorado.....	35	378	4,000	2,932.10
Connecticut.....	74	284	4,540	4,180.57
Delaware.....	13	99	2,000	1,060.22
Florida.....	11	266	15,000	3,701.35
Georgia.....	33	532	20,000	7,709.44
Idaho.....	22	278	20,000	2,405.68
Illinois.....	13	183	33,000	3,965.50
Indiana.....	21	294	536	4,717.00
Iowa.....	36	320	11,500	6,645.59
Kansas.....	49	421	31,925	3,699.18
Kentucky.....	10	182	6,000	1,643.69
Louisiana.....	9	188	1,200	3,771.19
Maine.....	15	167	6,160	930.38
Maryland.....	7	234	8,800	3,912.63
Massachusetts.....	14	264	4,000	2,179.78
Michigan.....	19	224	350	3,976.25
Minnesota.....	54	564	53,000	11,877.68
Mississippi.....	13	189	27,000	3,196.07
Missouri.....	26	186	18,176	10,616.92
Montana.....	6	76	(2)	2,087.63
Nebraska.....	1	8	(2)	1,821.96
Nevada.....	30	201	8,000	1,212.12
New Hampshire.....	14	88	22,000	1,536.10
New Jersey.....	21	117	15,000	4,546.18
New Mexico.....	26	500	9,000	3,700.97
New York.....	44	1,260	105,000	95,621.19
North Carolina.....	15	204	22,000	13,775.12
North Dakota.....	6	55	7,000	953.95
Ohio.....	115	1,186	74,000	12,468.00
Oklahoma.....	21	164	26,000	5,727.58
Oregon.....	32	162	(2)	6,886.31
Pennsylvania.....	13	262	32,000	6,527.04
Rhode Island.....	2	12	4,000	332.59
South Carolina.....	16	170	3,100	4,042.79
South Dakota.....	20	428	3,955	2,414.58
Tennessee.....	11	104	50,000	8,861.41
Texas.....	32	227	12,714	11,094.45
Utah.....	3	76	3,000	698.05
Vermont.....	3	40	14,000	489.17
Virginia.....	27	281	17,000	12,220.68
Washington.....	8	62	10,000	1,969.14
West Virginia.....	58	288	25,000	6,517.75
Wisconsin.....	34	324	46,375	5,067.70
Wyoming.....	4	64	11,000	298.42
Total, 1920.....	1,094	12,184	818,331	308,629.24
1919.....	1,212	11,753	797,237	263,616.98
1918.....	1,377	12,625	979,431	190,267.35
1917.....	1,472	13,153	798,689	133,647.87
1916.....	864	9,330	1,023,828	99,779.68
1915.....	819	8,279	967,426	72,090.72

<sup>1</sup> Experiment publications used.

<sup>2</sup> No list; distributed upon request.







